

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX012722\
 Data File : VX026586.D
 Acq On : 26 Jan 2022 11:58
 Operator : JC/MD
 Sample : VX0127WBS01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0127WBS01

Quant Time: Jan 26 12:21:01 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X011122W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jan 11 14:45:13 2022
 Response via : Initial Calibration

Manual Integrations
 APPROVED

Reviewed By : John Carlone 01/27/2022
 Supervised By : Mahesh Dadoda 01/27/2022

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	5.556	168	100243	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	162326	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	148098	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	68210	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	65244	46.592	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	93.180%		
35) Dibromofluoromethane	5.391	113	51952	49.561	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	99.120%		
50) Toluene-d8	8.653	98	193058	51.108	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	102.220%		
62) 4-Bromofluorobenzene	11.079	95	72878	54.310	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	108.620%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.173	85	20297	17.147	ug/l	99
3) Chloromethane	1.294	50	20531	18.920	ug/l	99
4) Vinyl Chloride	1.380	62	20442	17.943	ug/l	99
5) Bromomethane	1.618	94	12026	22.882	ug/l	98
6) Chloroethane	1.691	64	11086	19.243	ug/l	98
7) Trichlorofluoromethane	1.892	101	31678	17.611	ug/l	100
8) Diethyl Ether	2.136	74	11660	18.319	ug/l	99
9) 1,1,2-Trichlorotrifluo...	2.337	101	20957	19.119	ug/l	99
10) Methyl Iodide	2.459	142	25396	24.053	ug/l	98
11) Tert butyl alcohol	3.001	59	14776	75.852	ug/l	96
12) 1,1-Dichloroethene	2.325	96	19347	18.480	ug/l	98
13) Acrolein	2.239	56	18666	90.176	ug/l	99
14) Allyl chloride	2.666	41	35691	18.538	ug/l	96
15) Acrylonitrile	3.069	53	59851	99.810	ug/l	99
16) Acetone	2.392	43	66570	93.221	ug/l	99
17) Carbon Disulfide	2.520	76	49748	16.276	ug/l	99
18) Methyl Acetate	2.709	43	27232	19.182	ug/l	99
19) Methyl tert-butyl Ether	3.117	73	68737	18.095	ug/l	100
20) Methylene Chloride	2.794	84	22438	19.017	ug/l	97
21) trans-1,2-Dichloroethene	3.099	96	21511	18.980	ug/l	94
22) Diisopropyl ether	3.764	45	75003	19.179	ug/l	96
23) Vinyl Acetate	3.721	43	303088	94.152	ug/l	99
24) 1,1-Dichloroethane	3.611	63	39908	18.895	ug/l	98
25) 2-Butanone	4.562	43	88446	95.239	ug/l	99
26) 2,2-Dichloropropane	4.483	77	28187	18.005	ug/l	99
27) cis-1,2-Dichloroethene	4.489	96	24412	18.873	ug/l	99
28) Bromochloromethane	4.904	49	16492	19.017	ug/l	99
29) Tetrahydrofuran	5.013	42	53738	97.429	ug/l	99
30) Chloroform	5.093	83	42060	19.166	ug/l	95
31) Cyclohexane	5.477	56	37260	18.040	ug/l	99
32) 1,1,1-Trichloroethane	5.385	97	35873	18.584	ug/l	100
36) 1,1-Dichloropropene	5.696	75	30387	18.363	ug/l	99
37) Ethyl Acetate	4.715	43	32104	19.178	ug/l	99
38) Carbon Tetrachloride	5.684	117	31626	18.580	ug/l	97
39) Methylcyclohexane	7.385	83	37882	18.979	ug/l	97
40) Benzene	6.038	78	89019	19.462	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.922	41	19043	20.082	ug/l	98
42) 1,2-Dichloroethane	6.092	62	33351	18.636	ug/l	98
43) Isopropyl Acetate	6.342	43	50853	18.806	ug/l	99
44) Trichloroethene	7.129	130	25757	19.845	ug/l	98
45) 1,2-Dichloropropane	7.434	63	23015	20.158	ug/l	93
46) Dibromomethane	7.580	93	16012	19.895	ug/l	99
47) Bromodichloromethane	7.824	83	32012	19.685	ug/l	99
48) Methyl methacrylate	7.696	41	25933	19.352	ug/l	98
49) 1,4-Dioxane	7.702	88	7039	320.079	ug/l	98
51) 4-Methyl-2-Pentanone	8.574	43	165191	102.996	ug/l	99
52) Toluene	8.720	92	57498	20.499	ug/l	100
53) t-1,3-Dichloropropene	8.982	75	30729	18.892	ug/l	99
54) cis-1,3-Dichloropropene	8.366	75	34868	19.963	ug/l	96
55) 1,1,2-Trichloroethane	9.153	97	23375	21.355	ug/l	96
56) Ethyl methacrylate	9.116	69	34809	20.751	ug/l	98
57) 1,3-Dichloropropane	9.311	76	39487	20.808	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.244	63	89955	102.270	ug/l	99
59) 2-Hexanone	9.433	43	124840	101.698	ug/l	99
60) Dibromochloromethane	9.519	129	24295	21.300	ug/l	97
61) 1,2-Dibromoethane	9.610	107	23852	20.913	ug/l	100
64) Tetrachloroethene	9.275	164	27790	19.864	ug/l	96
65) Chlorobenzene	10.079	112	61731	19.794	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.165	131	22594	19.497	ug/l	99
67) Ethyl Benzene	10.195	91	110844	19.558	ug/l	98
68) m/p-Xylenes	10.305	106	84617	39.896	ug/l	100
69) o-Xylene	10.640	106	40222	19.654	ug/l	97
70) Styrene	10.659	104	68411	20.486	ug/l	98
71) Bromoform	10.799	173	16030	19.508	ug/l #	99
73) Isopropylbenzene	10.963	105	110058	19.685	ug/l	99
74) N-amyl acetate	10.842	43	40715	18.863	ug/l	97
75) 1,1,2,2-Tetrachloroethane	11.213	83	28776	19.175	ug/l	98
76) 1,2,3-Trichloropropane	11.238	75	29911m	19.916	ug/l	
77) Bromobenzene	11.201	156	25846	20.178	ug/l	98
78) n-propylbenzene	11.305	91	126572	19.852	ug/l	100
79) 2-Chlorotoluene	11.366	91	75338	19.486	ug/l	100
80) 1,3,5-Trimethylbenzene	11.451	105	92198	20.002	ug/l	99
81) trans-1,4-Dichloro-2-b...	11.018	75	7923	19.960	ug/l	97
82) 4-Chlorotoluene	11.457	91	86916	19.560	ug/l	99
83) tert-Butylbenzene	11.713	119	85875	19.957	ug/l	100
84) 1,2,4-Trimethylbenzene	11.750	105	91111	19.762	ug/l	98
85) sec-Butylbenzene	11.890	105	112773	20.262	ug/l	100
86) p-Isopropyltoluene	12.012	119	94992	20.343	ug/l	99
87) 1,3-Dichlorobenzene	11.969	146	46804	19.494	ug/l	99
88) 1,4-Dichlorobenzene	12.043	146	47288	19.459	ug/l	99
89) n-Butylbenzene	12.335	91	80675	20.132	ug/l	99
90) Hexachloroethane	12.542	117	13812	19.130	ug/l	99
91) 1,2-Dichlorobenzene	12.335	146	45540	20.072	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	12.945	75	6601	18.199	ug/l	98
93) 1,2,4-Trichlorobenzene	13.591	180	27722	19.058	ug/l	99
94) Hexachlorobutadiene	13.725	225	12175	19.827	ug/l	99
95) Naphthalene	13.774	128	90872	18.729	ug/l	99
96) 1,2,3-Trichlorobenzene	13.963	180	27608	19.299	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed

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The chromatogram displays a series of peaks representing different chemical compounds. The y-axis is labeled 'Abundance' and ranges from 0 to 500,000. The x-axis is labeled 'Time-->' and ranges from 0 to 16.00 minutes. The following table lists the compounds identified in the chromatogram, along with their approximate retention times and relative abundances.

Compound	Approx. Retention Time (min)	Approx. Relative Abundance
Dichlorodifluoromethane, T	1.5	40,000
Vinyl Chloride, P	1.8	30,000
Chloromethane, T	2.0	20,000
Trichlorofluoromethane, T	2.2	35,000
Diethyl Ether, T	2.5	25,000
Acrolein, T	2.8	15,000
Methyl Acetate, T	3.0	10,000
Methyl Chloride, T	3.2	12,000
Tert butyl alcohol, T	3.5	10,000
1,1-Dichloroethane, P	3.8	15,000
Disopropyl ether, T	4.0	12,000
2-Butanol, T	4.5	10,000
Ethyl Acetate, T	4.8	15,000
Bromochloromethane, T	5.0	10,000
Chloroform, T	5.2	12,000
Cyclohexane, T	5.5	10,000
Dibromodichloromethane, T	5.8	15,000
Penatetrafluorobenzene, I	6.0	10,000
Carbon tetrachloride, T	6.2	12,000
1,2-Dichloroethane, T	6.5	10,000
1,3-Dichloropropane, T	6.8	12,000
Isopropyl Acetate, T	7.0	10,000
1,4-Difluorobenzene, I	7.2	15,000
Trichloroethene, TM	7.5	10,000
1,2-Dichloroethane, T	7.8	12,000
Dibromodichloromethane, T	8.0	10,000
1,4-Dibromodichloromethane, T	8.2	12,000
cis-1,3-Dichloropropene, T	8.5	10,000
2-Chloroethyl Vinyl ether, T	8.8	15,000
4-Methyl-2-Pentanol, T	9.0	10,000
Toluene, CM	9.2	12,000
1,3-Dichloropropane, T	9.5	10,000
1,2-Dichloropropane, T	9.8	12,000
1,3-Dichloropropane, I	10.0	10,000
1,2-Dibromodichloromethane, T	10.2	12,000
1,1,1,2-Tetrachloroethane, PM	10.5	10,000
1,1,2,2-Tetrachloroethane, T	10.8	12,000
Ethyl Benzene, C	11.0	10,000
Styrene, T-Xylene, T	11.2	12,000
N-amyl acetate, T	11.5	10,000
trans-1,4-Dichloro-2-butene, T	11.8	12,000
1,2-Dichlorobenzene, T	12.0	10,000
2-Chlorotoluene, T	12.2	12,000
1,2,4-Trichlorobenzene, T	12.5	10,000
1,3-Dichlorobenzene, T	12.8	12,000
sec-Butylbenzene, I	13.0	10,000
Hexachloroethane, T	13.2	12,000
1,2-Dibromo-3-Chloropropane, T	13.5	10,000
1,2,4-Trichlorobenzene, T	13.8	12,000
Hexachlorocyclopentadiene, Naphthalene, T	14.0	10,000
1,2,3-Trichlorobenzene, T	14.2	12,000