

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX012522\
 Data File : VX026561.D
 Acq On : 25 Jan 2022 12:04
 Operator : JC/MD
 Sample : VX0125WBS01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0125WBS01

Manual Integrations
 APPROVED

Reviewed By : John Carlone 01/26/2022
 Supervised By : Mahesh Dadoda 01/26/2022

Quant Time: Jan 26 06:10:39 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

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

Internal Standards						
1) Pentafluorobenzene	5.556	168	106806	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	172327	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	147672	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	67438	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	71103	47.656	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 95.320%			
35) Dibromofluoromethane	5.385	113	55714	50.065	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 100.120%			
50) Toluene-d8	8.647	98	200748	50.060	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 100.120%			
62) 4-Bromofluorobenzene	11.079	95	72698	51.032	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 102.060%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.173	85	20884	16.559	ug/l	98
3) Chloromethane	1.294	50	20002	17.300	ug/l	97
4) Vinyl Chloride	1.374	62	21559	17.760	ug/l	100
5) Bromomethane	1.618	94	10947	19.549	ug/l	100
6) Chloroethane	1.691	64	12072	19.667	ug/l	98
7) Trichlorofluoromethane	1.892	101	33694	17.581	ug/l	100
8) Diethyl Ether	2.136	74	12320	18.166	ug/l	100
9) 1,1,2-Trichlorotrifluo...	2.331	101	22101	18.923	ug/l	99
10) Methyl Iodide	2.459	142	27264	24.202	ug/l	99
11) Tert butyl alcohol	2.989	59	17725	85.400	ug/l	97
12) 1,1-Dichloroethene	2.325	96	20290	18.190	ug/l	95
13) Acrolein	2.239	56	19220	87.147	ug/l	100
14) Allyl chloride	2.666	41	37310	18.188	ug/l	98
15) Acrylonitrile	3.069	53	62408	97.679	ug/l	98
16) Acetone	2.386	43	67888	89.225	ug/l	100
17) Carbon Disulfide	2.514	76	54017	16.587	ug/l	100
18) Methyl Acetate	2.709	43	28629	18.927	ug/l	99
19) Methyl tert-butyl Ether	3.117	73	73615	18.188	ug/l	97
20) Methylene Chloride	2.794	84	23066	18.348	ug/l	98
21) trans-1,2-Dichloroethene	3.099	96	22582	18.701	ug/l	91
22) Diisopropyl ether	3.764	45	78220	18.772	ug/l	98
23) Vinyl Acetate	3.721	43	321300	93.676	ug/l	99
24) 1,1-Dichloroethane	3.611	63	42039	18.681	ug/l	98
25) 2-Butanone	4.562	43	90588	91.551	ug/l	97
26) 2,2-Dichloropropane	4.483	77	30526	18.301	ug/l	97
27) cis-1,2-Dichloroethene	4.495	96	26630	19.323	ug/l	97
28) Bromochloromethane	4.904	49	17851	19.319	ug/l	99
29) Tetrahydrofuran	5.007	42	54617	92.938	ug/l	99
30) Chloroform	5.099	83	44194	18.901	ug/l	98
31) Cyclohexane	5.477	56	39250	17.836	ug/l	98
32) 1,1,1-Trichloroethane	5.385	97	38190	18.569	ug/l	99
36) 1,1-Dichloropropene	5.696	75	32460	18.477	ug/l	100
37) Ethyl Acetate	4.715	43	34813	19.590	ug/l	99
38) Carbon Tetrachloride	5.678	117	33964	18.795	ug/l	96
39) Methylcyclohexane	7.385	83	39538	18.659	ug/l	97
40) Benzene	6.044	78	92922	19.137	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.922	41	19753	19.622	ug/l	97
42) 1,2-Dichloroethane	6.086	62	34882	18.361	ug/l	99
43) Isopropyl Acetate	6.342	43	55066	19.183	ug/l	99
44) Trichloroethene	7.129	130	27084	19.657	ug/l	100
45) 1,2-Dichloropropane	7.434	63	23386	19.294	ug/l	98
46) Dibromomethane	7.580	93	16561	19.383	ug/l	99
47) Bromodichloromethane	7.824	83	33448	19.375	ug/l	100
48) Methyl methacrylate	7.690	41	26974	18.961	ug/l	99
49) 1,4-Dioxane	7.690	88	8257	353.674	ug/l	99
51) 4-Methyl-2-Pentanone	8.574	43	170080	99.890	ug/l	98
52) Toluene	8.720	92	58018	19.484	ug/l	99
53) t-1,3-Dichloropropene	8.982	75	31179	18.139	ug/l	98
54) cis-1,3-Dichloropropene	8.366	75	36469	19.668	ug/l	94
55) 1,1,2-Trichloroethane	9.153	97	23462	20.191	ug/l	98
56) Ethyl methacrylate	9.116	69	34912	19.605	ug/l	100
57) 1,3-Dichloropropane	9.311	76	40079	19.894	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.244	63	77639	83.145	ug/l	99
59) 2-Hexanone	9.433	43	131512	100.916	ug/l	100
60) Dibromochloromethane	9.525	129	24417	20.164	ug/l	99
61) 1,2-Dibromoethane	9.610	107	23685	19.561	ug/l	100
64) Tetrachloroethene	9.275	164	28266	20.263	ug/l	95
65) Chlorobenzene	10.079	112	60214	19.363	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.165	131	22709	19.653	ug/l	98
67) Ethyl Benzene	10.195	91	109790	19.428	ug/l	100
68) m/p-Xylenes	10.305	106	83422	39.446	ug/l	99
69) o-Xylene	10.640	106	40473	19.833	ug/l	98
70) Styrene	10.659	104	65948	19.805	ug/l	99
71) Bromoform	10.799	173	16082	19.614	ug/l #	98
73) Isopropylbenzene	10.963	105	107930	19.525	ug/l	99
74) N-amyl acetate	10.842	43	40819	19.127	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.213	83	28862	19.452	ug/l	98
76) 1,2,3-Trichloropropane	11.238	75	29693m	19.997	ug/l	
77) Bromobenzene	11.201	156	24400	19.268	ug/l	99
78) n-propylbenzene	11.305	91	123964	19.665	ug/l	99
79) 2-Chlorotoluene	11.366	91	74494	19.488	ug/l	99
80) 1,3,5-Trimethylbenzene	11.451	105	89944	19.736	ug/l	99
81) trans-1,4-Dichloro-2-b...	11.018	75	7966	20.213	ug/l	96
82) 4-Chlorotoluene	11.457	91	85090	19.368	ug/l	99
83) tert-Butylbenzene	11.713	119	84111	19.771	ug/l	99
84) 1,2,4-Trimethylbenzene	11.750	105	88987	19.522	ug/l	99
85) sec-Butylbenzene	11.890	105	109079	19.822	ug/l	100
86) p-Isopropyltoluene	12.012	119	92098	19.949	ug/l	100
87) 1,3-Dichlorobenzene	11.969	146	45968	19.365	ug/l	98
88) 1,4-Dichlorobenzene	12.043	146	45941	19.121	ug/l	97
89) n-Butylbenzene	12.335	91	78377	19.783	ug/l	99
90) Hexachloroethane	12.542	117	13846	19.366	ug/l	100
91) 1,2-Dichlorobenzene	12.335	146	45088	20.100	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	12.945	75	6814	19.002	ug/l	97
93) 1,2,4-Trichlorobenzene	13.591	180	27976	19.453	ug/l	99
94) Hexachlorobutadiene	13.725	225	12274	20.217	ug/l	98
95) Naphthalene	13.780	128	95475	19.903	ug/l	100
96) 1,2,3-Trichlorobenzene	13.963	180	27832	19.678	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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Abundance

TIC: VX026561.D\data.ms

Time-->

Chemical compounds identified in the chromatogram (from left to right):

- Dichlorodifluoromethane, T
- 1,1,1-Trichloroethane, T
- Chloroethane, T
- Trichlorofluoromethane, T
- Diethyl Ether, T
- Acetone, T
- 1,1,1-Trichloroethane, T
- Methyl Chloride, T
- Methyl Acetate, T
- Methylene Chloride, T
- Tert butyl alcohol, T
- Acetyl Chloride, T
- 1,1-Dichloroethane, T
- Disopropyl ether, T
- Vinyl Acetate, T
- 2-Butanol, T
- Ethyl Acetate, T
- 2,2-Dichloropropane, T
- Chloroform, T
- Cyclohexane, T
- Carbon Disulfide, T
- 1,2-Dichloroethane, T
- Isopropyl Acetate, T
- 1,4-Difluorobenzene, T
- Trichloroethene, TM
- 1,2-Dichloroethane, T
- Dibromodichloromethane, T
- 1,3-Dichloropropane, T
- cis-1,3-Dichloropropene, T
- 2-Chloroethyl Vinyl ether, T
- 4-Methyl-2-Pentanol, T
- Toluene, CM
- 1,3-Dichloropropane, T
- t-1,3-Dichloropropane, T
- 1,3-Dichloropropane, T
- 1,2-Dichloroethane, T
- 1,2-Dichloroethane, T
- 1,1,1,2-Tetrachloroethane, T
- 1,1,2,2-Tetrachloroethane, T
- Chlorobenzene, T
- Ethyl Benzene, C
- Styrene, T
- N-amyl acetate, T
- trans-1,4-Dichlorocyclohexane, T
- 1,2,3-Trichlorobenzene, T
- 2-Chlorotoluene, T
- 1,2,4-Trichlorobenzene, T
- 1,3-Dichlorobenzene, T
- 1,4-Dichlorobenzene, T
- 1,2,4-Trichlorobenzene, T
- 1,2,3-Trichlorobenzene, T
- Hexachloroethane, T
- 1,2-Dibromo-3-Chloropropane, T
- 1,2,4-Trichlorobenzene, T
- Hexachlorocyclopentadiene, T
- 1,2,3-Trichlorobenzene, T