

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX061022\
 Data File : VX029365.D
 Acq On : 10 Jun 2022 13:39
 Operator : JC/MD
 Sample : VX0610WBS01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0610WBS01

Manual Integrations
 APPROVED

Reviewed By : John Carlone 06/13/2022
 Supervised By : Mahesh Dadoda 06/13/2022

Quant Time: Jun 11 00:52:24 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X060722W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jun 08 03:00:38 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.556	168	178211	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	289475	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	300578	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	185065	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	138944	51.263	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery = 102.520%			
35) Dibromofluoromethane	5.385	113	119366	48.504	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery = 97.000%			
50) Toluene-d8	8.653	98	405855	46.630	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery = 93.260%			
62) 4-Bromofluorobenzene	11.085	95	164809	48.387	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery = 96.780%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.166	85	54198	19.158	ug/l	99
3) Chloromethane	1.288	50	52180	17.282	ug/l	98
4) Vinyl Chloride	1.374	62	58653	18.718	ug/l	96
5) Bromomethane	1.605	94	28942	17.244	ug/l	98
6) Chloroethane	1.685	64	37420	25.880	ug/l	97
7) Trichlorofluoromethane	1.886	101	88634	19.410	ug/l	98
8) Diethyl Ether	2.136	74	34371	19.311	ug/l	98
9) 1,1,2-Trichlorotrifluo...	2.325	101	52131	18.941	ug/l	96
10) Methyl Iodide	2.453	142	54094	16.768	ug/l	95
11) Tert butyl alcohol	2.971	59	71135	68.151	ug/l #	94
12) 1,1-Dichloroethene	2.319	96	49853	18.609	ug/l	99
13) Acrolein	2.233	56	28908	87.839	ug/l	96
14) Allyl chloride	2.660	41	77691	18.066	ug/l	96
15) Acrylonitrile	3.062	53	155859	91.924	ug/l	100
16) Acetone	2.380	43	129391	89.751	ug/l	97
17) Carbon Disulfide	2.514	76	115973	17.587	ug/l	100
18) Methyl Acetate	2.703	43	69238	18.128	ug/l	96
19) Methyl tert-butyl Ether	3.117	73	176515	19.087	ug/l	100
20) Methylene Chloride	2.788	84	57162	17.755	ug/l	94
21) trans-1,2-Dichloroethene	3.093	96	55030	18.302	ug/l	99
22) Diisopropyl ether	3.763	45	167513	19.297	ug/l	92
23) Vinyl Acetate	3.721	43	703911	97.814	ug/l	96
24) 1,1-Dichloroethane	3.611	63	97064	18.539	ug/l	99
25) 2-Butanone	4.556	43	207497	90.986	ug/l	97
26) 2,2-Dichloropropane	4.477	77	72860	19.519	ug/l	100
27) cis-1,2-Dichloroethene	4.489	96	65022	18.282	ug/l	97
28) Bromochloromethane	4.897	49	46364	22.526	ug/l	98
29) Tetrahydrofuran	5.007	42	139721	94.008	ug/l	93
30) Chloroform	5.099	83	107410	19.011	ug/l	98
31) Cyclohexane	5.470	56	90128	18.656	ug/l	95
32) 1,1,1-Trichloroethane	5.385	97	93675	19.244	ug/l	98
36) 1,1-Dichloropropene	5.696	75	78225	19.242	ug/l	99
37) Ethyl Acetate	4.715	43	78776	18.772	ug/l	98
38) Carbon Tetrachloride	5.678	117	80574	19.392	ug/l	96
39) Methylcyclohexane	7.379	83	95507	19.074	ug/l	94
40) Benzene	6.044	78	230797	19.070	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.928	41	43600	18.212	ug/l	94
42) 1,2-Dichloroethane	6.086	62	82688	19.669	ug/l	99
43) Isopropyl Acetate	6.342	43	120720	19.149	ug/l	98
44) Trichloroethene	7.129	130	62280	18.902	ug/l	91
45) 1,2-Dichloropropane	7.434	63	56662	19.044	ug/l	95
46) Dibromomethane	7.586	93	41952	19.463	ug/l	93
47) Bromodichloromethane	7.824	83	77535	19.058	ug/l	96
48) Methyl methacrylate	7.696	41	59354	18.719	ug/l	93
49) 1,4-Dioxane	7.671	88	30667	375.996	ug/l	98
51) 4-Methyl-2-Pentanone	8.574	43	407794	98.838	ug/l	96
52) Toluene	8.720	92	148055	19.057	ug/l	100
53) t-1,3-Dichloropropene	8.982	75	78003	18.486	ug/l	100
54) cis-1,3-Dichloropropene	8.366	75	88036	19.275	ug/l	95
55) 1,1,2-Trichloroethane	9.153	97	60262	19.176	ug/l	98
56) Ethyl methacrylate	9.116	69	88895	19.444	ug/l	92
57) 1,3-Dichloropropane	9.311	76	102244	19.302	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.244	63	225514	101.535	ug/l	98
59) 2-Hexanone	9.433	43	314779	100.346	ug/l	93
60) Dibromochloromethane	9.525	129	59769	19.659	ug/l	95
61) 1,2-Dibromoethane	9.610	107	62649	18.691	ug/l	99
64) Tetrachloroethene	9.275	164	57696	20.239	ug/l	93
65) Chlorobenzene	10.079	112	157827	19.047	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.165	131	57628	19.980	ug/l	97
67) Ethyl Benzene	10.195	91	286540	19.677	ug/l	99
68) m/p-Xylenes	10.305	106	225483	40.021	ug/l	96
69) o-Xylene	10.646	106	109812	20.057	ug/l	99
70) Styrene	10.659	104	181679	19.883	ug/l	98
71) Bromoform	10.805	173	38798	18.941	ug/l #	99
73) Isopropylbenzene	10.963	105	290564	19.944	ug/l	99
74) N-amyl acetate	10.841	43	96379	19.541	ug/l	95
75) 1,1,2,2-Tetrachloroethane	11.213	83	94524	19.224	ug/l	97
76) 1,2,3-Trichloropropane	11.244	75	83550m	19.329	ug/l	
77) Bromobenzene	11.201	156	65236	19.070	ug/l	93
78) n-propylbenzene	11.305	91	328333	19.860	ug/l	99
79) 2-Chlorotoluene	11.366	91	205153	20.150	ug/l	97
80) 1,3,5-Trimethylbenzene	11.451	105	248738	20.106	ug/l	99
81) trans-1,4-Dichloro-2-b...	11.018	75	22424	17.625	ug/l #	82
82) 4-Chlorotoluene	11.457	91	235703	20.057	ug/l	98
83) tert-Butylbenzene	11.719	119	238943	19.906	ug/l	93
84) 1,2,4-Trimethylbenzene	11.756	105	248906	20.384	ug/l	97
85) sec-Butylbenzene	11.890	105	300165	20.364	ug/l	98
86) p-Isopropyltoluene	12.012	119	251600	20.361	ug/l	97
87) 1,3-Dichlorobenzene	11.969	146	126946	19.444	ug/l	97
88) 1,4-Dichlorobenzene	12.042	146	128332	19.327	ug/l	97
89) n-Butylbenzene	12.335	91	207571	19.924	ug/l	100
90) Hexachloroethane	12.542	117	36342	18.499	ug/l	89
91) 1,2-Dichlorobenzene	12.335	146	125218	19.343	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	12.945	75	19748	19.310	ug/l	94
93) 1,2,4-Trichlorobenzene	13.591	180	76752	20.087	ug/l	98
94) Hexachlorobutadiene	13.725	225	30372	19.120	ug/l	96
95) Naphthalene	13.780	128	272074	20.175	ug/l	100
96) 1,2,3-Trichlorobenzene	13.963	180	76190	19.998	ug/l	94

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(#) = qualifier out of range (m) = manual integration (+) = signals summed

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The chromatogram displays a series of sharp peaks against a baseline. The x-axis represents time in minutes, ranging from 0 to 16. The y-axis represents intensity, ranging from 0 to 1,300,000. Key peaks are labeled with their corresponding chemical compounds, including various chlorinated hydrocarbons, alcohols, esters, and aromatic compounds. Notable peaks occur around 1.5, 2.5, 3.5, 4.5, 5.5, 7.5, 8.5, 9.5, 10.5, 11.5, 12.5, 13.5, and 14.5 minutes.