

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX021622\
 Data File : VX027037.D
 Acq On : 15 Feb 2022 18:07
 Operator : JC/MD
 Sample : VX0216WBSD01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0216WBSD01

Manual Integrations
 APPROVED

Reviewed By : John Carlone 02/16/2022
 Supervised By : Mahesh Dadoda 02/21/2022

Quant Time: Feb 16 04:07:40 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X020822W.M
 Quant Title : SW846 8260
 QLast Update : Tue Feb 08 07:07:46 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.556	168	88759	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	143542	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	133131	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	62533	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	54636	51.279	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 102.560%			
35) Dibromofluoromethane	5.391	113	43968	51.413	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 102.820%			
50) Toluene-d8	8.653	98	166480	53.033	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 106.060%			
62) 4-Bromofluorobenzene	11.079	95	63405	57.370	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 114.740%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.166	85	18859	19.541	ug/l	98
3) Chloromethane	1.294	50	17880	19.915	ug/l	97
4) Vinyl Chloride	1.374	62	17599	18.725	ug/l	98
5) Bromomethane	1.605	94	11033	27.664	ug/l	94
6) Chloroethane	1.691	64	10831	19.232	ug/l	98
7) Trichlorofluoromethane	1.892	101	26827	19.396	ug/l	99
8) Diethyl Ether	2.136	74	9777	19.083	ug/l	93
9) 1,1,2-Trichlorotrifluo...	2.337	101	18047	19.906	ug/l	98
10) Methyl Iodide	2.459	142	22155	19.079	ug/l	96
11) Tert butyl alcohol	2.959	59	17665	91.776	ug/l	96
12) 1,1-Dichloroethene	2.325	96	17152	18.882	ug/l	88
13) Acrolein	2.239	56	11980	67.350	ug/l	99
14) Allyl chloride	2.666	41	31045	19.294	ug/l	96
15) Acrylonitrile	3.062	53	55247	100.162	ug/l	99
16) Acetone	2.380	43	53484	114.292	ug/l	95
17) Carbon Disulfide	2.514	76	42018	16.340	ug/l	100
18) Methyl Acetate	2.703	43	25640	19.043	ug/l	99
19) Methyl tert-butyl Ether	3.117	73	60529	18.825	ug/l	98
20) Methylene Chloride	2.794	84	20065	19.789	ug/l	97
21) trans-1,2-Dichloroethene	3.093	96	18424	19.274	ug/l	98
22) Diisopropyl ether	3.763	45	64387	19.876	ug/l	98
23) Vinyl Acetate	3.721	43	266781	97.950	ug/l	99
24) 1,1-Dichloroethane	3.611	63	34566	19.719	ug/l	99
25) 2-Butanone	4.556	43	78843	104.572	ug/l	97
26) 2,2-Dichloropropane	4.483	77	24313	20.528	ug/l	97
27) cis-1,2-Dichloroethene	4.495	96	21536	19.623	ug/l	98
28) Bromochloromethane	4.910	49	15827	21.781	ug/l	98
29) Tetrahydrofuran	5.007	42	50992	99.484	ug/l	99
30) Chloroform	5.092	83	35427	19.452	ug/l	98
31) Cyclohexane	5.477	56	31599	18.665	ug/l	97
32) 1,1,1-Trichloroethane	5.391	97	30103	18.747	ug/l	99
36) 1,1-Dichloropropene	5.696	75	25879	19.182	ug/l	98
37) Ethyl Acetate	4.714	43	28977	18.899	ug/l	100
38) Carbon Tetrachloride	5.684	117	27147	19.189	ug/l	96
39) Methylcyclohexane	7.385	83	31996	19.339	ug/l	96
40) Benzene	6.043	78	77379	19.679	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.922	41	15976	19.225	ug/l	97
42) 1,2-Dichloroethane	6.086	62	28786	20.776	ug/l	98
43) Isopropyl Acetate	6.342	43	44613	18.911	ug/l	98
44) Trichloroethene	7.129	130	22738	19.260	ug/l	99
45) 1,2-Dichloropropane	7.433	63	20192	20.297	ug/l	94
46) Dibromomethane	7.586	93	13915	20.214	ug/l	98
47) Bromodichloromethane	7.824	83	27047	20.517	ug/l	97
48) Methyl methacrylate	7.696	41	22552	19.294	ug/l	98
49) 1,4-Dioxane	7.665	88	7945	394.445	ug/l	97
51) 4-Methyl-2-Pentanone	8.574	43	153535	107.401	ug/l	99
52) Toluene	8.720	92	50408	20.249	ug/l	100
53) t-1,3-Dichloropropene	8.982	75	25894	19.005	ug/l	99
54) cis-1,3-Dichloropropene	8.366	75	29790	20.465	ug/l	96
55) 1,1,2-Trichloroethane	9.153	97	20523	21.776	ug/l	99
56) Ethyl methacrylate	9.116	69	31000	20.751	ug/l	96
57) 1,3-Dichloropropane	9.311	76	34368	21.236	ug/l	98
58) 2-Chloroethyl Vinyl ether	8.244	63	63429	82.721	ug/l	98
59) 2-Hexanone	9.433	43	115610	110.565	ug/l	97
60) Dibromochloromethane	9.525	129	20865	21.517	ug/l	100
61) 1,2-Dibromoethane	9.610	107	21257	21.348	ug/l	100
64) Tetrachloroethene	9.275	164	23831	17.823	ug/l	96
65) Chlorobenzene	10.079	112	54791	19.900	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.165	131	19593	19.345	ug/l	99
67) Ethyl Benzene	10.195	91	96602	19.824	ug/l	98
68) m/p-Xylenes	10.305	106	74250	39.603	ug/l	100
69) o-Xylene	10.640	106	36852	20.060	ug/l	97
70) Styrene	10.659	104	61552	20.658	ug/l	98
71) Bromoform	10.799	173	13853	18.863	ug/l #	98
73) Isopropylbenzene	10.963	105	96030	19.496	ug/l	99
74) N-amyl acetate	10.848	43	37095	18.848	ug/l	97
75) 1,1,2,2-Tetrachloroethane	11.213	83	27033	20.224	ug/l	99
76) 1,2,3-Trichloropropane	11.238	75	27098m	19.796	ug/l	
77) Bromobenzene	11.201	156	23395	19.982	ug/l	96
78) n-propylbenzene	11.305	91	109838	20.115	ug/l	100
79) 2-Chlorotoluene	11.366	91	66288	19.647	ug/l	98
80) 1,3,5-Trimethylbenzene	11.451	105	79972	19.727	ug/l	98
81) trans-1,4-Dichloro-2-b...	11.018	75	7030	18.361	ug/l	97
82) 4-Chlorotoluene	11.457	91	74976	19.809	ug/l	98
83) tert-Butylbenzene	11.713	119	76159	19.711	ug/l	98
84) 1,2,4-Trimethylbenzene	11.750	105	80141	19.599	ug/l	98
85) sec-Butylbenzene	11.890	105	99174	20.249	ug/l	100
86) p-Isopropyltoluene	12.012	119	82774	19.950	ug/l	99
87) 1,3-Dichlorobenzene	11.969	146	42989	20.038	ug/l	98
88) 1,4-Dichlorobenzene	12.042	146	42573	19.677	ug/l	98
89) n-Butylbenzene	12.335	91	68769	20.258	ug/l	100
90) Hexachloroethane	12.542	117	11921	19.879	ug/l	98
91) 1,2-Dichlorobenzene	12.335	146	41402	20.000	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	12.945	75	5817	17.696	ug/l	95
93) 1,2,4-Trichlorobenzene	13.591	180	25441	19.474	ug/l	98
94) Hexachlorobutadiene	13.725	225	10823	19.586	ug/l	99
95) Naphthalene	13.774	128	86464	18.894	ug/l	99
96) 1,2,3-Trichlorobenzene	13.963	180	25114	18.985	ug/l	99

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

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