

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX052622\
 Data File : VX028993.D
 Acq On : 26 May 2022 12:56
 Operator : JC/MD
 Sample : VX0526WBSD01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0526WBSD01

Manual Integrations
 APPROVED

Reviewed By : John Carlone 05/27/2022
 Supervised By : Mahesh Dadoda 05/31/2022

Quant Time: May 27 07:32:21 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X051222W.M
 Quant Title : SW846 8260
 QLast Update : Thu May 12 14:58:53 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.556	168	232251	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	395858	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	365411	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	184356	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	172640	54.228	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery = 108.460%			
35) Dibromofluoromethane	5.385	113	141067	54.390	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery = 108.780%			
50) Toluene-d8	8.653	98	491688	50.283	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery = 100.560%			
62) 4-Bromofluorobenzene	11.079	95	193815	53.067	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery = 106.140%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.166	85	49752	16.360	ug/l	99
3) Chloromethane	1.288	50	45319	15.824	ug/l	100
4) Vinyl Chloride	1.374	62	48543	15.728	ug/l	99
5) Bromomethane	1.605	94	45314	17.123	ug/l	98
6) Chloroethane	1.685	64	33786	15.876	ug/l	95
7) Trichlorofluoromethane	1.886	101	78028	15.857	ug/l	100
8) Diethyl Ether	2.136	74	33698	18.794	ug/l	92
9) 1,1,2-Trichlorotrifluo...	2.331	101	46061	17.788	ug/l	97
10) Methyl Iodide	2.453	142	46087	14.866	ug/l	96
11) Tert butyl alcohol	2.971	59	83587	119.553	ug/l	95
12) 1,1-Dichloroethene	2.319	96	42116	17.521	ug/l	97
13) Acrolein	2.239	56	20239	38.731	ug/l	97
14) Allyl chloride	2.666	41	71126	18.449	ug/l	94
15) Acrylonitrile	3.062	53	162290	105.803	ug/l	100
16) Acetone	2.380	43	135384	99.086	ug/l	95
17) Carbon Disulfide	2.514	76	86663	13.909	ug/l	100
18) Methyl Acetate	2.703	43	75418	22.038	ug/l	97
19) Methyl tert-butyl Ether	3.111	73	186022	21.808	ug/l	100
20) Methylene Chloride	2.788	84	56229	19.616	ug/l	96
21) trans-1,2-Dichloroethene	3.093	96	48249	17.820	ug/l	96
22) Diisopropyl ether	3.764	45	166972	20.267	ug/l	93
23) Vinyl Acetate	3.721	43	716543	100.890	ug/l	98
24) 1,1-Dichloroethane	3.611	63	94496	19.730	ug/l	98
25) 2-Butanone	4.562	43	218218	101.748	ug/l	98
26) 2,2-Dichloropropane	4.483	77	69557	18.522	ug/l	99
27) cis-1,2-Dichloroethene	4.489	96	62694	19.826	ug/l	96
28) Bromochloromethane	4.904	49	39974	19.828	ug/l	99
29) Tetrahydrofuran	5.007	42	138341	99.234	ug/l	96
30) Chloroform	5.099	83	104773	20.213	ug/l	100
31) Cyclohexane	5.471	56	70646	15.987	ug/l	94
32) 1,1,1-Trichloroethane	5.391	97	85238	18.836	ug/l	99
36) 1,1-Dichloropropene	5.696	75	64881	16.655	ug/l	99
37) Ethyl Acetate	4.715	43	81983	20.149	ug/l	99
38) Carbon Tetrachloride	5.684	117	71243	18.172	ug/l	100
39) Methylcyclohexane	7.385	83	74946	16.776	ug/l	98
40) Benzene	6.037	78	212111	18.946	ug/l	96

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.922	41	45586	20.896	ug/l	94
42) 1,2-Dichloroethane	6.092	62	85999	20.825	ug/l	98
43) Isopropyl Acetate	6.342	43	124027	19.484	ug/l	98
44) Trichloroethene	7.129	130	58059	19.121	ug/l	97
45) 1,2-Dichloropropane	7.434	63	57037	20.419	ug/l	96
46) Dibromomethane	7.586	93	42353	20.303	ug/l	96
47) Bromodichloromethane	7.824	83	79813	20.608	ug/l	99
48) Methyl methacrylate	7.696	41	62585	20.353	ug/l	92
49) 1,4-Dioxane	7.671	88	31761	413.452	ug/l	98
51) 4-Methyl-2-Pentanone	8.574	43	427230	101.894	ug/l	97
52) Toluene	8.720	92	137027	19.026	ug/l	99
53) t-1,3-Dichloropropene	8.982	75	78665	18.707	ug/l	99
54) cis-1,3-Dichloropropene	8.366	75	88155	20.229	ug/l	93
55) 1,1,2-Trichloroethane	9.153	97	62115	21.151	ug/l	96
56) Ethyl methacrylate	9.116	69	92390	20.775	ug/l #	91
57) 1,3-Dichloropropane	9.311	76	103650	20.926	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.244	63	222902	102.375	ug/l	97
59) 2-Hexanone	9.433	43	326427	100.206	ug/l	94
60) Dibromochloromethane	9.525	129	60403	21.090	ug/l	97
61) 1,2-Dibromoethane	9.610	107	64381	20.873	ug/l	99
64) Tetrachloroethene	9.275	164	52234	18.929	ug/l	92
65) Chlorobenzene	10.079	112	153131	19.754	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.165	131	58898	21.448	ug/l	98
67) Ethyl Benzene	10.195	91	260834	18.772	ug/l	98
68) m/p-Xylenes	10.305	106	202330	37.402	ug/l	97
69) o-Xylene	10.646	106	103952	19.518	ug/l	99
70) Styrene	10.659	104	175929	20.341	ug/l	99
71) Bromoform	10.799	173	42735	19.934	ug/l #	99
73) Isopropylbenzene	10.963	105	262417	18.770	ug/l	99
74) N-amyl acetate	10.842	43	100949	18.369	ug/l	96
75) 1,1,2,2-Tetrachloroethane	11.213	83	100679	20.991	ug/l	98
76) 1,2,3-Trichloropropane	11.238	75	90414m	20.942	ug/l	
77) Bromobenzene	11.201	156	66858	20.211	ug/l	98
78) n-propylbenzene	11.305	91	297242	18.380	ug/l	99
79) 2-Chlorotoluene	11.366	91	189826	19.152	ug/l	98
80) 1,3,5-Trimethylbenzene	11.451	105	227282	19.510	ug/l	99
81) trans-1,4-Dichloro-2-b...	11.018	75	22985	18.523	ug/l #	81
82) 4-Chlorotoluene	11.457	91	217094	18.946	ug/l	100
83) tert-Butylbenzene	11.713	119	224050	19.864	ug/l	95
84) 1,2,4-Trimethylbenzene	11.756	105	229603	19.655	ug/l	100
85) sec-Butylbenzene	11.890	105	267719	19.243	ug/l	100
86) p-Isopropyltoluene	12.012	119	228517	19.574	ug/l	99
87) 1,3-Dichlorobenzene	11.969	146	124419	19.176	ug/l	99
88) 1,4-Dichlorobenzene	12.043	146	128975	19.164	ug/l	97
89) n-Butylbenzene	12.335	91	185252	18.314	ug/l	99
90) Hexachloroethane	12.542	117	34555	18.303	ug/l	95
91) 1,2-Dichlorobenzene	12.335	146	130578	20.486	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	12.945	75	21833	21.319	ug/l	94
93) 1,2,4-Trichlorobenzene	13.591	180	78921	21.438	ug/l	99
94) Hexachlorobutadiene	13.725	225	31770	21.243	ug/l	94
95) Naphthalene	13.774	128	286983	21.907	ug/l	100
96) 1,2,3-Trichlorobenzene	13.963	180	79494	21.500	ug/l	95

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

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