

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX111822\
 Data File : VX032919.D
 Acq On : 18 Nov 2022 12:56
 Operator : JC/MD
 Sample : VX1118WBS01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1118WBS01

Manual Integrations
 APPROVED

Reviewed By : John Carlone 11/21/2022
 Supervised By : Mahesh Dadoda 11/21/2022

Quant Time: Nov 19 03:03:42 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X102622W.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 27 08:28:06 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.556	168	92670	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	145785	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	131040	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	69767	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	66925	51.975	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 103.960%			
35) Dibromofluoromethane	5.385	113	56893	54.710	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 109.420%			
50) Toluene-d8	8.647	98	180135	49.817	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 99.640%			
62) 4-Bromofluorobenzene	11.079	95	74025	52.408	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 104.820%			
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.166	85	16927	15.837	ug/l	98
3) Chloromethane	1.294	50	14296	15.816	ug/l	99
4) Vinyl Chloride	1.374	62	16584	16.671	ug/l	99
5) Bromomethane	1.618	94	13666	17.190	ug/l	99
6) Chloroethane	1.691	64	13818	20.705	ug/l	100
7) Trichlorofluoromethane	1.892	101	34087	18.084	ug/l	98
8) Diethyl Ether	2.130	74	11760	19.253	ug/l	96
9) 1,1,2-Trichlorotrifluo...	2.331	101	19525	19.626	ug/l	99
10) Methyl Iodide	2.459	142	18345	17.859	ug/l	98
11) Tert butyl alcohol	2.989	59	14414	76.910	ug/l #	85
12) 1,1-Dichloroethene	2.325	96	16894	18.178	ug/l	93
13) Acrolein	2.239	56	20900	111.708	ug/l	99
14) Allyl chloride	2.666	41	26786	18.081	ug/l	97
15) Acrylonitrile	3.062	53	45009	88.492	ug/l	99
16) Acetone	2.386	43	49412	105.583	ug/l	98
17) Carbon Disulfide	2.514	76	32657	14.753	ug/l	99
18) Methyl Acetate	2.703	43	30295	19.907	ug/l	100
19) Methyl tert-butyl Ether	3.111	73	64985	19.895	ug/l	99
20) Methylene Chloride	2.788	84	20303	18.921	ug/l	97
21) trans-1,2-Dichloroethene	3.093	96	18066	17.859	ug/l	98
22) Diisopropyl ether	3.757	45	64857	20.240	ug/l #	87
23) Vinyl Acetate	3.721	43	237156	91.605	ug/l	100
24) 1,1-Dichloroethane	3.611	63	36743	19.935	ug/l	99
25) 2-Butanone	4.562	43	65324	90.096	ug/l	98
26) 2,2-Dichloropropane	4.477	77	29241	19.957	ug/l	100
27) cis-1,2-Dichloroethene	4.495	96	23337	19.958	ug/l	99
28) Bromochloromethane	4.897	49	11693	17.810	ug/l	98
29) Tetrahydrofuran	5.007	42	38749	83.811	ug/l	99
30) Chloroform	5.093	83	41441	20.490	ug/l	99
31) Cyclohexane	5.471	56	26594	17.034	ug/l	92
32) 1,1,1-Trichloroethane	5.385	97	37390	20.602	ug/l	99
36) 1,1-Dichloropropene	5.696	75	26140	18.051	ug/l	99
37) Ethyl Acetate	4.715	43	24143	16.017	ug/l	100
38) Carbon Tetrachloride	5.678	117	31651	19.706	ug/l	98
39) Methylcyclohexane	7.385	83	29835	17.413	ug/l	99
40) Benzene	6.038	78	80044	19.533	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.922	41	14632	19.055	ug/l	98
42) 1,2-Dichloroethane	6.086	62	34624	20.669	ug/l	99
43) Isopropyl Acetate	6.336	43	42860	18.519	ug/l	99
44) Trichloroethene	7.123	130	22705	19.682	ug/l	93
45) 1,2-Dichloropropane	7.434	63	21469	20.409	ug/l	97
46) Dibromomethane	7.580	93	16044	19.887	ug/l	99
47) Bromodichloromethane	7.824	83	32717	21.398	ug/l	100
48) Methyl methacrylate	7.696	41	21519	18.003	ug/l	97
49) 1,4-Dioxane	7.690	88	7097	311.554	ug/l	91
51) 4-Methyl-2-Pentanone	8.574	43	134947	92.570	ug/l	100
52) Toluene	8.720	92	51826	19.384	ug/l	97
53) t-1,3-Dichloropropene	8.976	75	30477	19.536	ug/l	98
54) cis-1,3-Dichloropropene	8.366	75	32826	19.673	ug/l	97
55) 1,1,2-Trichloroethane	9.153	97	23018	20.443	ug/l	96
56) Ethyl methacrylate	9.116	69	31346	19.345	ug/l	99
57) 1,3-Dichloropropane	9.311	76	36786	20.231	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.244	63	75102	96.259	ug/l	99
59) 2-Hexanone	9.433	43	99629	92.105	ug/l	100
60) Dibromochloromethane	9.519	129	25111	20.418	ug/l	99
61) 1,2-Dibromoethane	9.610	107	23076	19.342	ug/l	99
64) Tetrachloroethene	9.275	164	19581	20.416	ug/l	97
65) Chlorobenzene	10.079	112	58921	20.073	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.165	131	23498	21.270	ug/l	99
67) Ethyl Benzene	10.195	91	104811	19.967	ug/l	98
68) m/p-Xylenes	10.305	106	79606	39.056	ug/l	99
69) o-Xylene	10.640	106	39895	20.131	ug/l	98
70) Styrene	10.659	104	66428	20.169	ug/l	99
71) Bromoform	10.799	173	17506	20.042	ug/l #	98
73) Isopropylbenzene	10.963	105	108586	19.641	ug/l	100
74) N-amyl acetate	10.842	43	37026	17.725	ug/l	100
75) 1,1,2,2-Tetrachloroethane	11.213	83	34499	19.441	ug/l	99
76) 1,2,3-Trichloropropane	11.238	75	29893m	19.259	ug/l	
77) Bromobenzene	11.201	156	27290	20.135	ug/l	97
78) n-propylbenzene	11.305	91	122438	19.222	ug/l	99
79) 2-Chlorotoluene	11.366	91	74798	19.608	ug/l	99
80) 1,3,5-Trimethylbenzene	11.451	105	92535	19.584	ug/l	100
81) trans-1,4-Dichloro-2-b...	11.018	75	8324	17.065	ug/l	96
82) 4-Chlorotoluene	11.457	91	87540	19.612	ug/l	99
83) tert-Butylbenzene	11.713	119	94700	20.075	ug/l	99
84) 1,2,4-Trimethylbenzene	11.750	105	92361	19.654	ug/l	99
85) sec-Butylbenzene	11.890	105	111371	19.621	ug/l	99
86) p-Isopropyltoluene	12.012	119	93350	19.382	ug/l	99
87) 1,3-Dichlorobenzene	11.969	146	51260	20.049	ug/l	98
88) 1,4-Dichlorobenzene	12.043	146	50950	19.209	ug/l	99
89) n-Butylbenzene	12.335	91	79271	18.919	ug/l	100
90) Hexachloroethane	12.536	117	15113	19.211	ug/l	97
91) 1,2-Dichlorobenzene	12.335	146	50930	20.203	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	12.945	75	6718	17.266	ug/l	98
93) 1,2,4-Trichlorobenzene	13.591	180	31235	19.002	ug/l	99
94) Hexachlorobutadiene	13.725	225	13613	19.830	ug/l	99
95) Naphthalene	13.774	128	99162	18.105	ug/l	99
96) 1,2,3-Trichlorobenzene	13.963	180	31775	19.017	ug/l	100

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

