

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX102822\
 Data File : VX032450.D
 Acq On : 28 Oct 2022 11:28
 Operator : JC/MD
 Sample : VX1028WBS01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1028WBS01

Manual Integrations
 APPROVED

Reviewed By : John Carlone 10/31/2022
 Supervised By : Mahesh Dadoda 10/31/2022

Quant Time: Oct 29 04:31:08 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	5.550	168	113802	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	181261	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	162440	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	82467	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	79191	50.081	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 100.160%			
35) Dibromofluoromethane	5.385	113	64449	49.846	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 99.700%			
50) Toluene-d8	8.647	98	222157	49.413	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 98.820%			
62) 4-Bromofluorobenzene	11.079	95	83341	47.455	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 94.920%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.167	85	29115	22.182	ug/l	99
3) Chloromethane	1.295	50	23782	21.425	ug/l	99
4) Vinyl Chloride	1.374	62	25923	21.220	ug/l	99
5) Bromomethane	1.612	94	24132	24.719	ug/l	95
6) Chloroethane	1.691	64	17330	21.146	ug/l	100
7) Trichlorofluoromethane	1.892	101	46940	20.279	ug/l	100
8) Diethyl Ether	2.130	74	14776	19.698	ug/l	96
9) 1,1,2-Trichlorotrifluo...	2.331	101	24978	20.445	ug/l	99
10) Methyl Iodide	2.453	142	26484	20.659	ug/l	99
11) Tert butyl alcohol	2.977	59	19993	86.870	ug/l	100
12) 1,1-Dichloroethene	2.319	96	22999	20.152	ug/l	92
13) Acrolein	2.240	56	26501	115.343	ug/l	99
14) Allyl chloride	2.666	41	36755	20.203	ug/l	98
15) Acrylonitrile	3.063	53	60030	96.108	ug/l	99
16) Acetone	2.386	43	51918	90.338	ug/l	100
17) Carbon Disulfide	2.514	76	55972	20.590	ug/l	99
18) Methyl Acetate	2.703	43	36919	19.754	ug/l	99
19) Methyl tert-butyl Ether	3.111	73	78955	19.683	ug/l	100
20) Methylene Chloride	2.788	84	26320	19.974	ug/l	97
21) trans-1,2-Dichloroethene	3.093	96	24811	19.972	ug/l	97
22) Diisopropyl ether	3.758	45	78637	19.983	ug/l #	88
23) Vinyl Acetate	3.721	43	313613	98.644	ug/l	100
24) 1,1-Dichloroethane	3.611	63	46599	20.587	ug/l	99
25) 2-Butanone	4.562	43	82690	92.869	ug/l	97
26) 2,2-Dichloropropane	4.477	77	36870	20.492	ug/l	99
27) cis-1,2-Dichloroethene	4.489	96	29305	20.408	ug/l	99
28) Bromochloromethane	4.898	49	15711	19.487	ug/l	98
29) Tetrahydrofuran	5.007	42	53647	94.487	ug/l	99
30) Chloroform	5.093	83	50582	20.366	ug/l	99
31) Cyclohexane	5.471	56	39779	20.748	ug/l	95
32) 1,1,1-Trichloroethane	5.385	97	45325	20.336	ug/l	98
36) 1,1-Dichloropropene	5.702	75	36405	20.219	ug/l	99
37) Ethyl Acetate	4.715	43	33333	17.786	ug/l	99
38) Carbon Tetrachloride	5.678	117	40223	20.142	ug/l	99
39) Methylcyclohexane	7.385	83	44143	20.722	ug/l	100
40) Benzene	6.038	78	103992	20.410	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.922	41	18765	19.655	ug/l	97
42) 1,2-Dichloroethane	6.086	62	42268	20.294	ug/l	99
43) Isopropyl Acetate	6.342	43	54157	18.820	ug/l	99
44) Trichloroethene	7.129	130	28135	19.616	ug/l	99
45) 1,2-Dichloropropane	7.434	63	26520	20.276	ug/l	96
46) Dibromomethane	7.580	93	20235	20.173	ug/l	98
47) Bromodichloromethane	7.824	83	38423	20.211	ug/l	98
48) Methyl methacrylate	7.696	41	28091	18.902	ug/l	100
49) 1,4-Dioxane	7.690	88	10235	361.373	ug/l	97
51) 4-Methyl-2-Pentanone	8.574	43	173269	95.595	ug/l	99
52) Toluene	8.720	92	66563	20.024	ug/l	98
53) t-1,3-Dichloropropene	8.976	75	37160	19.158	ug/l	99
54) cis-1,3-Dichloropropene	8.366	75	41398	19.954	ug/l	99
55) 1,1,2-Trichloroethane	9.153	97	26699	19.071	ug/l	97
56) Ethyl methacrylate	9.116	69	37712	18.719	ug/l	96
57) 1,3-Dichloropropane	9.311	76	44777	19.806	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.245	63	97094	100.090	ug/l	100
59) 2-Hexanone	9.433	43	127610	94.884	ug/l	99
60) Dibromochloromethane	9.525	129	29338	19.186	ug/l	99
61) 1,2-Dibromoethane	9.610	107	28504	19.216	ug/l	99
64) Tetrachloroethene	9.275	164	24023	20.205	ug/l	97
65) Chlorobenzene	10.080	112	72505	19.926	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.165	131	26597	19.421	ug/l	97
67) Ethyl Benzene	10.195	91	129533	19.907	ug/l	98
68) m/p-Xylenes	10.305	106	99536	39.394	ug/l	99
69) o-Xylene	10.640	106	49339	20.084	ug/l	98
70) Styrene	10.659	104	81127	19.871	ug/l	98
71) Bromoform	10.799	173	20794	19.204	ug/l #	100
73) Isopropylbenzene	10.964	105	130674	19.997	ug/l	100
74) N-amyl acetate	10.842	43	47631	19.291	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.214	83	41372	19.724	ug/l	98
76) 1,2,3-Trichloropropane	11.238	75	36554m	19.924	ug/l	
77) Bromobenzene	11.201	156	31707	19.791	ug/l	99
78) n-propylbenzene	11.305	91	149982	19.921	ug/l	100
79) 2-Chlorotoluene	11.366	91	89788	19.913	ug/l	100
80) 1,3,5-Trimethylbenzene	11.451	105	111234	19.916	ug/l	98
81) trans-1,4-Dichloro-2-b...	11.018	75	10669	18.504	ug/l	96
82) 4-Chlorotoluene	11.457	91	104571	19.820	ug/l	99
83) tert-Butylbenzene	11.713	119	112929	20.253	ug/l	100
84) 1,2,4-Trimethylbenzene	11.750	105	112067	20.174	ug/l	99
85) sec-Butylbenzene	11.890	105	134355	20.025	ug/l	100
86) p-Isopropyltoluene	12.012	119	115294	20.251	ug/l	100
87) 1,3-Dichlorobenzene	11.970	146	59518	19.694	ug/l	99
88) 1,4-Dichlorobenzene	12.043	146	60166	19.191	ug/l	100
89) n-Butylbenzene	12.335	91	99718	20.133	ug/l	99
90) Hexachloroethane	12.536	117	18874	20.297	ug/l	99
91) 1,2-Dichlorobenzene	12.335	146	60401	20.270	ug/l	97
92) 1,2-Dibromo-3-Chloropr...	12.945	75	8848	19.239	ug/l	97
93) 1,2,4-Trichlorobenzene	13.591	180	37777	19.443	ug/l	98
94) Hexachlorobutadiene	13.725	225	15750	19.410	ug/l	98
95) Naphthalene	13.774	128	124346	19.207	ug/l	100
96) 1,2,3-Trichlorobenzene	13.963	180	36949	18.708	ug/l	99

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

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