

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX101122\
 Data File : VX032055.D
 Acq On : 12 Oct 2022 02:46
 Operator : JC/MD
 Sample : VX1011WBS02
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 32 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1011WBS02

Manual Integrations
 APPROVED

Reviewed By : John Carlone 10/12/2022
 Supervised By : Mahesh Dadoda 10/12/2022

Quant Time: Oct 12 05:22:11 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X100622W.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 06 14:28:46 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.556	168	64575	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	101928	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	111897	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	78087	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	75740	56.793	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 113.580%			
35) Dibromofluoromethane	5.385	113	61393	53.211	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 106.420%			
50) Toluene-d8	8.647	98	218400	52.606	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 105.220%			
62) 4-Bromofluorobenzene	11.079	95	82250	56.039	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 112.080%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.166	85	20357	21.183	ug/l	99
3) Chloromethane	1.288	50	19692	19.568	ug/l	98
4) Vinyl Chloride	1.374	62	22066	18.763	ug/l	99
5) Bromomethane	1.611	94	17702	21.159	ug/l	95
6) Chloroethane	1.685	64	19144	19.129	ug/l	100
7) Trichlorofluoromethane	1.886	101	41993	19.864	ug/l	96
8) Diethyl Ether	2.136	74	14494	20.114	ug/l	95
9) 1,1,2-Trichlorotrifluo...	2.325	101	20844	19.507	ug/l	92
10) Methyl Iodide	2.453	142	16708	17.276	ug/l	99
11) Tert butyl alcohol	2.995	59	21479	129.451	ug/l	97
12) 1,1-Dichloroethene	2.319	96	18925	19.240	ug/l	97
13) Acrolein	2.239	56	8971	83.382	ug/l	95
14) Allyl chloride	2.666	41	28423	20.309	ug/l	99
15) Acrylonitrile	3.068	53	55598	105.112	ug/l	100
16) Acetone	2.386	43	48143	106.219	ug/l	99
17) Carbon Disulfide	2.508	76	37640	17.820	ug/l	99
18) Methyl Acetate	2.703	43	33668	22.513	ug/l	96
19) Methyl tert-butyl Ether	3.111	73	67850	20.556	ug/l	96
20) Methylene Chloride	2.788	84	22783	19.129	ug/l	91
21) trans-1,2-Dichloroethene	3.093	96	20636	18.945	ug/l	95
22) Diisopropyl ether	3.757	45	67317	21.396	ug/l	90
23) Vinyl Acetate	3.721	43	258551	109.937	ug/l	100
24) 1,1-Dichloroethane	3.611	63	38616	20.475	ug/l	97
25) 2-Butanone	4.562	43	76825	108.430	ug/l	96
26) 2,2-Dichloropropane	4.477	77	21562	15.917	ug/l	97
27) cis-1,2-Dichloroethene	4.489	96	24458	18.765	ug/l	92
28) Bromochloromethane	4.904	49	17314	21.448	ug/l	91
29) Tetrahydrofuran	5.019	42	48172	105.373	ug/l	97
30) Chloroform	5.099	83	43409	20.663	ug/l	97
31) Cyclohexane	5.471	56	31096	19.518	ug/l	94
32) 1,1,1-Trichloroethane	5.385	97	36168	20.260	ug/l	96
36) 1,1-Dichloropropene	5.690	75	29286	19.142	ug/l	100
37) Ethyl Acetate	4.715	43	30306	21.040	ug/l	99
38) Carbon Tetrachloride	5.678	117	31692	20.259	ug/l	99
39) Methylcyclohexane	7.379	83	34077	18.673	ug/l	99
40) Benzene	6.037	78	87564	19.545	ug/l	99

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41) Methacrylonitrile	4.922	41	17404	23.236	ug/l	96
42) 1,2-Dichloroethane	6.092	62	34900	21.378	ug/l	100
43) Isopropyl Acetate	6.342	43	48020	21.973	ug/l	99
44) Trichloroethene	7.129	130	24123	18.364	ug/l	95
45) 1,2-Dichloropropane	7.427	63	22455	20.395	ug/l	95
46) Dibromomethane	7.580	93	17425	20.422	ug/l	94
47) Bromodichloromethane	7.824	83	31278	21.220	ug/l	96
48) Methyl methacrylate	7.696	41	23407	22.414	ug/l	95
49) 1,4-Dioxane	7.690	88	10225	390.720	ug/l	98
51) 4-Methyl-2-Pentanone	8.574	43	160037	110.505	ug/l	100
52) Toluene	8.720	92	57437	19.608	ug/l	100
53) t-1,3-Dichloropropene	8.982	75	27737	18.266	ug/l	98
54) cis-1,3-Dichloropropene	8.366	75	32473	20.343	ug/l	98
55) 1,1,2-Trichloroethane	9.153	97	24652	19.940	ug/l	99
56) Ethyl methacrylate	9.116	69	32584	20.561	ug/l	97
57) 1,3-Dichloropropane	9.311	76	40594	20.433	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.244	63	83515	102.091	ug/l	96
59) 2-Hexanone	9.433	43	118466	110.940	ug/l	99
60) Dibromochloromethane	9.525	129	23585	20.845	ug/l	99
61) 1,2-Dibromoethane	9.610	107	25061	20.157	ug/l	99
64) Tetrachloroethene	9.275	164	23453	18.565	ug/l	96
65) Chlorobenzene	10.079	112	62756	18.509	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.165	131	22319	19.025	ug/l	99
67) Ethyl Benzene	10.195	91	110653	19.292	ug/l	99
68) m/p-Xylenes	10.305	106	86057	37.755	ug/l	99
69) o-Xylene	10.640	106	42111	19.008	ug/l	99
70) Styrene	10.653	104	69423	19.602	ug/l	99
71) Bromoform	10.799	173	15017	19.553	ug/l #	98
73) Isopropylbenzene	10.963	105	114160	19.384	ug/l	97
74) N-amyl acetate	10.842	43	39467	21.944	ug/l	97
75) 1,1,2,2-Tetrachloroethane	11.213	83	36320	19.410	ug/l	100
76) 1,2,3-Trichloropropane	11.238	75	32794m	20.491	ug/l	
77) Bromobenzene	11.201	156	26582	18.323	ug/l	99
78) n-propylbenzene	11.305	91	130994	19.555	ug/l	97
79) 2-Chlorotoluene	11.366	91	78666	19.514	ug/l	98
80) 1,3,5-Trimethylbenzene	11.451	105	94570	19.361	ug/l	100
81) trans-1,4-Dichloro-2-b...	11.018	75	6762	17.510	ug/l #	74
82) 4-Chlorotoluene	11.457	91	92154	19.960	ug/l	98
83) tert-Butylbenzene	11.713	119	93621	19.366	ug/l	96
84) 1,2,4-Trimethylbenzene	11.750	105	96731	19.494	ug/l	98
85) sec-Butylbenzene	11.890	105	119971	20.044	ug/l	97
86) p-Isopropyltoluene	12.012	119	100641	19.971	ug/l	98
87) 1,3-Dichlorobenzene	11.969	146	51336	18.585	ug/l	98
88) 1,4-Dichlorobenzene	12.043	146	51832	18.230	ug/l	98
89) n-Butylbenzene	12.335	91	83372	19.756	ug/l	99
90) Hexachloroethane	12.536	117	14731	19.210	ug/l	96
91) 1,2-Dichlorobenzene	12.335	146	51384	18.710	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	12.939	75	7022	20.501	ug/l	93
93) 1,2,4-Trichlorobenzene	13.591	180	31135	18.679	ug/l	98
94) Hexachlorobutadiene	13.725	225	13207	19.590	ug/l	98
95) Naphthalene	13.774	128	109336	19.142	ug/l	99
96) 1,2,3-Trichlorobenzene	13.963	180	32299	19.103	ug/l	99

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

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