

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX110422\
 Data File : VX032567.D
 Acq On : 04 Nov 2022 11:30
 Operator : JC/MD
 Sample : VX1104WBS01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1104WBS01

Manual Integrations
 APPROVED

Reviewed By : John Carlone 11/07/2022
 Supervised By : Mahesh Dadoda 11/07/2022

Quant Time: Nov 05 00:33:37 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	112521	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	175906	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	158970	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	82475	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	76737	49.082	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	98.160%		
35) Dibromofluoromethane	5.385	113	62146	49.528	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	99.060%		
50) Toluene-d8	8.647	98	211650	48.509	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	97.020%		
62) 4-Bromofluorobenzene	11.079	95	82872	48.625	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	97.240%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.166	85	25955	20.000	ug/l	99
3) Chloromethane	1.294	50	21774	19.839	ug/l	97
4) Vinyl Chloride	1.374	62	24409	20.208	ug/l	97
5) Bromomethane	1.617	94	22675	23.491	ug/l	98
6) Chloroethane	1.691	64	19259	23.767	ug/l	99
7) Trichlorofluoromethane	1.886	101	45567	19.910	ug/l	98
8) Diethyl Ether	2.136	74	14962	20.173	ug/l	99
9) 1,1,2-Trichlorotrifluo...	2.331	101	24918	20.628	ug/l	99
10) Methyl Iodide	2.459	142	27482	21.587	ug/l	99
11) Tert butyl alcohol	2.995	59	19538	85.859	ug/l	100
12) 1,1-Dichloroethene	2.318	96	22287	19.750	ug/l	96
13) Acrolein	2.239	56	24420	107.495	ug/l	100
14) Allyl chloride	2.666	41	35558	19.768	ug/l	99
15) Acrylonitrile	3.068	53	57924	93.792	ug/l	100
16) Acetone	2.386	43	55557	97.770	ug/l	100
17) Carbon Disulfide	2.514	76	48241	17.948	ug/l	98
18) Methyl Acetate	2.703	43	37722	20.414	ug/l	99
19) Methyl tert-butyl Ether	3.111	73	78785	19.865	ug/l	99
20) Methylene Chloride	2.788	84	25417	19.508	ug/l	99
21) trans-1,2-Dichloroethene	3.093	96	23589	19.205	ug/l	96
22) Diisopropyl ether	3.763	45	77604	19.945	ug/l	94
23) Vinyl Acetate	3.721	43	303423	96.525	ug/l	100
24) 1,1-Dichloroethane	3.611	63	44874	20.051	ug/l	99
25) 2-Butanone	4.562	43	82349	93.539	ug/l	99
26) 2,2-Dichloropropane	4.477	77	36254	20.379	ug/l	100
27) cis-1,2-Dichloroethene	4.495	96	28410	20.010	ug/l	98
28) Bromochloromethane	4.897	49	15006	18.824	ug/l	98
29) Tetrahydrofuran	5.007	42	51948	92.537	ug/l	98
30) Chloroform	5.098	83	49951	20.341	ug/l	97
31) Cyclohexane	5.476	56	37350	19.703	ug/l	96
32) 1,1,1-Trichloroethane	5.385	97	44072	19.999	ug/l	98
36) 1,1-Dichloropropene	5.696	75	34783	19.907	ug/l	99
37) Ethyl Acetate	4.721	43	32636	17.944	ug/l	98
38) Carbon Tetrachloride	5.678	117	39654	20.461	ug/l	94
39) Methylcyclohexane	7.385	83	40965	19.815	ug/l	96
40) Benzene	6.043	78	99709	20.165	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.922	41	17919	19.340	ug/l	98
42) 1,2-Dichloroethane	6.092	62	42256	20.906	ug/l	99
43) Isopropyl Acetate	6.342	43	54349	19.462	ug/l	99
44) Trichloroethene	7.129	130	27328	19.633	ug/l	97
45) 1,2-Dichloropropane	7.433	63	25551	20.130	ug/l	100
46) Dibromomethane	7.580	93	19430	19.960	ug/l	100
47) Bromodichloromethane	7.824	83	37848	20.515	ug/l	95
48) Methyl methacrylate	7.696	41	28015	19.424	ug/l	98
49) 1,4-Dioxane	7.696	88	9898	360.113	ug/l	98
51) 4-Methyl-2-Pentanone	8.573	43	170505	96.934	ug/l	99
52) Toluene	8.720	92	64536	20.005	ug/l	99
53) t-1,3-Dichloropropene	8.982	75	37303	19.817	ug/l	99
54) cis-1,3-Dichloropropene	8.366	75	40932	20.330	ug/l	99
55) 1,1,2-Trichloroethane	9.153	97	27846	20.496	ug/l	98
56) Ethyl methacrylate	9.116	69	38837	19.864	ug/l	99
57) 1,3-Dichloropropane	9.311	76	43807	19.967	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.244	63	97138	103.183	ug/l	99
59) 2-Hexanone	9.433	43	126108	96.621	ug/l	99
60) Dibromochloromethane	9.518	129	29213	19.686	ug/l	100
61) 1,2-Dibromoethane	9.610	107	27853	19.349	ug/l	99
64) Tetrachloroethene	9.275	164	23710	20.377	ug/l	96
65) Chlorobenzene	10.079	112	71384	20.046	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.165	131	27334	20.395	ug/l	99
67) Ethyl Benzene	10.195	91	129099	20.273	ug/l	99
68) m/p-Xylenes	10.305	106	98973	40.026	ug/l	99
69) o-Xylene	10.640	106	48192	20.045	ug/l	99
70) Styrene	10.658	104	81164	20.314	ug/l	100
71) Bromoform	10.799	173	20592	19.433	ug/l #	99
73) Isopropylbenzene	10.963	105	129943	19.883	ug/l	100
74) N-amyl acetate	10.841	43	48453	19.622	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.213	83	40715	19.409	ug/l	98
76) 1,2,3-Trichloropropane	11.238	75	36289m	19.777	ug/l	
77) Bromobenzene	11.201	156	32086	20.026	ug/l	99
78) n-propylbenzene	11.305	91	150254	19.955	ug/l	100
79) 2-Chlorotoluene	11.366	91	90949	20.169	ug/l	98
80) 1,3,5-Trimethylbenzene	11.451	105	112323	20.109	ug/l	100
81) trans-1,4-Dichloro-2-b...	11.018	75	10474	18.164	ug/l	92
82) 4-Chlorotoluene	11.457	91	104684	19.839	ug/l	100
83) tert-Butylbenzene	11.713	119	112765	20.221	ug/l	99
84) 1,2,4-Trimethylbenzene	11.750	105	112173	20.191	ug/l	99
85) sec-Butylbenzene	11.890	105	136183	20.295	ug/l	100
86) p-Isopropyltoluene	12.012	119	114925	20.185	ug/l	99
87) 1,3-Dichlorobenzene	11.969	146	60901	20.150	ug/l	99
88) 1,4-Dichlorobenzene	12.042	146	60336	19.243	ug/l	99
89) n-Butylbenzene	12.335	91	99295	20.046	ug/l	99
90) Hexachloroethane	12.536	117	18621	20.023	ug/l	100
91) 1,2-Dichlorobenzene	12.335	146	59596	19.998	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	12.945	75	8712	18.941	ug/l	96
93) 1,2,4-Trichlorobenzene	13.585	180	36733	18.904	ug/l	100
94) Hexachlorobutadiene	13.725	225	15695	19.340	ug/l	99
95) Naphthalene	13.774	128	120897	18.672	ug/l	99
96) 1,2,3-Trichlorobenzene	13.963	180	37748	19.111	ug/l	100

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

