

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX111422\
 Data File : VX032808.D
 Acq On : 14 Nov 2022 20:27
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

Reviewed By : John Carlone 11/15/2022
 Supervised By : Mahesh Dadoda 11/15/2022

Quant Time: Nov 15 05:11:00 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	105381	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	162754	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	149436	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	81535	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	73056	49.893	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 99.780%			
35) Dibromofluoromethane	5.385	113	60261	51.907	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 103.820%			
50) Toluene-d8	8.647	98	202400	50.138	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 100.280%			
62) 4-Bromofluorobenzene	11.079	95	83977	53.255	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 106.500%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.166	85	51913	42.712	ug/l	99
3) Chloromethane	1.294	50	41319	40.199	ug/l	98
4) Vinyl Chloride	1.374	62	48836	43.171	ug/l	99
5) Bromomethane	1.618	94	39765	43.987	ug/l	97
6) Chloroethane	1.691	64	47434	62.504	ug/l	99
7) Trichlorofluoromethane	1.886	101	101196	47.212	ug/l	96
8) Diethyl Ether	2.130	74	32739	47.133	ug/l	97
9) 1,1,2-Trichlorotrifluo...	2.331	101	54305	48.002	ug/l	99
10) Methyl Iodide	2.453	142	58235	46.422	ug/l	99
11) Tert butyl alcohol	3.014	59	47305m	221.965	ug/l	
12) 1,1-Dichloroethene	2.319	96	48995	46.360	ug/l	97
13) Acrolein	2.239	56	51029	239.846	ug/l	98
14) Allyl chloride	2.666	41	81274	48.243	ug/l	99
15) Acrylonitrile	3.068	53	130654	225.893	ug/l	99
16) Acetone	2.392	43	111956	210.371	ug/l	98
17) Carbon Disulfide	2.514	76	104748	41.613	ug/l	100
18) Methyl Acetate	2.703	43	86316	49.876	ug/l	99
19) Methyl tert-butyl Ether	3.111	73	189312	50.967	ug/l	100
20) Methylene Chloride	2.788	84	56806	46.555	ug/l	96
21) trans-1,2-Dichloroethene	3.093	96	53963	46.910	ug/l	99
22) Diisopropyl ether	3.757	45	191721	52.614	ug/l	89
23) Vinyl Acetate	3.721	43	709209	240.900	ug/l	99
24) 1,1-Dichloroethane	3.611	63	104176	49.703	ug/l	100
25) 2-Butanone	4.562	43	177001	214.676	ug/l	99
26) 2,2-Dichloropropane	4.477	77	83147	49.904	ug/l	99
27) cis-1,2-Dichloroethene	4.489	96	68515	51.527	ug/l	99
28) Bromochloromethane	4.897	49	34020	45.568	ug/l	96
29) Tetrahydrofuran	5.007	42	114234	217.276	ug/l	98
30) Chloroform	5.093	83	122253	53.156	ug/l	100
31) Cyclohexane	5.471	56	80971	45.608	ug/l	92
32) 1,1,1-Trichloroethane	5.385	97	108335	52.492	ug/l	99
36) 1,1-Dichloropropene	5.690	75	80215	49.618	ug/l	100
37) Ethyl Acetate	4.715	43	74203	44.095	ug/l	98
38) Carbon Tetrachloride	5.678	117	95126	53.051	ug/l	97
39) Methylcyclohexane	7.379	83	89104	46.584	ug/l	99
40) Benzene	6.037	78	231543	50.612	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.922	41	42816	49.946	ug/l	97
42) 1,2-Dichloroethane	6.086	62	97641	52.211	ug/l	100
43) Isopropyl Acetate	6.342	43	126447	48.939	ug/l	99
44) Trichloroethene	7.123	130	65173	50.605	ug/l	98
45) 1,2-Dichloropropane	7.427	63	61240	52.147	ug/l	98
46) Dibromomethane	7.580	93	45725	50.769	ug/l	98
47) Bromodichloromethane	7.824	83	96202	56.359	ug/l	99
48) Methyl methacrylate	7.696	41	64637	48.438	ug/l	99
49) 1,4-Dioxane	7.714	88	21807	857.504	ug/l	99
51) 4-Methyl-2-Pentanone	8.574	43	389223	239.159	ug/l	100
52) Toluene	8.720	92	153827	51.537	ug/l	98
53) t-1,3-Dichloropropene	8.976	75	95972	55.105	ug/l	98
54) cis-1,3-Dichloropropene	8.366	75	101284	54.372	ug/l	98
55) 1,1,2-Trichloroethane	9.153	97	66499	52.902	ug/l	99
56) Ethyl methacrylate	9.116	69	94042	51.987	ug/l	99
57) 1,3-Dichloropropane	9.311	76	105622	52.032	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.244	63	219619	252.139	ug/l	99
59) 2-Hexanone	9.433	43	278637	230.737	ug/l	99
60) Dibromochloromethane	9.519	129	78885	57.455	ug/l	100
61) 1,2-Dibromoethane	9.610	107	70177	52.689	ug/l	99
64) Tetrachloroethene	9.275	164	55598	50.832	ug/l	98
65) Chlorobenzene	10.079	112	175114	52.313	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.165	131	69535	55.193	ug/l	99
67) Ethyl Benzene	10.195	91	314634	52.562	ug/l	100
68) m/p-Xylenes	10.305	106	242675	104.403	ug/l	100
69) o-Xylene	10.640	106	120793	53.449	ug/l	99
70) Styrene	10.659	104	204069	54.333	ug/l	99
71) Bromoform	10.799	173	57919	58.146	ug/l #	99
73) Isopropylbenzene	10.963	105	327195	50.642	ug/l	100
74) N-amyl acetate	10.842	43	114972	47.096	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.213	83	99618	48.035	ug/l	100
76) 1,2,3-Trichloropropane	11.238	75	88408m	48.738	ug/l	
77) Bromobenzene	11.201	156	80628	50.902	ug/l	99
78) n-propylbenzene	11.305	91	374325	50.286	ug/l	100
79) 2-Chlorotoluene	11.366	91	224093	50.268	ug/l	99
80) 1,3,5-Trimethylbenzene	11.451	105	279288	50.578	ug/l	99
81) trans-1,4-Dichloro-2-b...	11.018	75	27747	48.674	ug/l	98
82) 4-Chlorotoluene	11.457	91	262476	50.317	ug/l	99
83) tert-Butylbenzene	11.713	119	285366	51.763	ug/l	99
84) 1,2,4-Trimethylbenzene	11.750	105	275854	50.227	ug/l	99
85) sec-Butylbenzene	11.890	105	335753	50.614	ug/l	100
86) p-Isopropyltoluene	12.012	119	288280	51.215	ug/l	99
87) 1,3-Dichlorobenzene	11.969	146	152424	51.013	ug/l	99
88) 1,4-Dichlorobenzene	12.043	146	155221	50.075	ug/l	97
89) n-Butylbenzene	12.335	91	244193	49.867	ug/l	99
90) Hexachloroethane	12.536	117	49622	53.972	ug/l	97
91) 1,2-Dichlorobenzene	12.335	146	149557	50.763	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	12.945	75	20591	45.284	ug/l	99
93) 1,2,4-Trichlorobenzene	13.585	180	93449	48.646	ug/l	99
94) Hexachlorobutadiene	13.725	225	39974	49.825	ug/l	97
95) Naphthalene	13.774	128	301574	47.114	ug/l	99
96) 1,2,3-Trichlorobenzene	13.963	180	94902	48.600	ug/l	99

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

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