

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX081123\
 Data File : VX036928.D
 Acq On : 11 Aug 2023 09:32
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

Reviewed By : John Carlone 08/14/2023
 Supervised By : Mahesh Dadoda 08/15/2023

Quant Time: Aug 11 22:53:00 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X072123W.M
 Quant Title : SW846 8260
 QLast Update : Fri Jul 21 12:14:12 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.550	168	129797	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	224787	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	203554	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	105737	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	97100	50.559	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 101.120%			
35) Dibromofluoromethane	5.379	113	80871	52.342	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 104.680%			
50) Toluene-d8	8.647	98	256131	46.747	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 93.500%			
62) 4-Bromofluorobenzene	11.079	95	109302	52.875	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 105.740%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.167	85	83255	48.555	ug/l	97
3) Chloromethane	1.295	50	74457	47.742	ug/l	98
4) Vinyl Chloride	1.374	62	78550	49.470	ug/l	99
5) Bromomethane	1.599	94	51666	54.502	ug/l	99
6) Chloroethane	1.673	64	46292	59.966	ug/l	97
7) Trichlorofluoromethane	1.880	101	137555	56.098	ug/l	99
8) Diethyl Ether	2.136	74	55175	58.161	ug/l	78
9) 1,1,2-Trichlorotrifluo...	2.325	101	77587	52.667	ug/l	98
10) Methyl Iodide	2.447	142	100245	65.514	ug/l	94
11) Tert butyl alcohol	2.971	59	110638	243.334	ug/l #	91
12) 1,1-Dichloroethene	2.313	96	73112	50.304	ug/l	90
13) Acrolein	2.233	56	73626	283.741	ug/l	99
14) Allyl chloride	2.660	41	129574	45.275	ug/l #	95
15) Acrylonitrile	3.063	53	234035	255.951	ug/l	99
16) Acetone	2.380	43	216925	272.194	ug/l	91
17) Carbon Disulfide	2.508	76	182156	45.411	ug/l	99
18) Methyl Acetate	2.703	43	169082	50.433	ug/l	91
19) Methyl tert-butyl Ether	3.111	73	307655	56.330	ug/l	98
20) Methylene Chloride	2.788	84	91043	51.367	ug/l	89
21) trans-1,2-Dichloroethene	3.087	96	86504	53.254	ug/l	90
22) Diisopropyl ether	3.758	45	269580	49.609	ug/l #	86
23) Vinyl Acetate	3.715	43	1045661	250.859	ug/l #	93
24) 1,1-Dichloroethane	3.605	63	162043	53.187	ug/l	97
25) 2-Butanone	4.550	43	331421	256.318	ug/l	91
26) 2,2-Dichloropropane	4.471	77	148193	51.621	ug/l	98
27) cis-1,2-Dichloroethene	4.483	96	107107	55.515	ug/l	90
28) Bromochloromethane	4.891	49	69802	47.372	ug/l	83
29) Tetrahydrofuran	5.001	42	203609	244.245	ug/l #	87
30) Chloroform	5.087	83	177977	57.099	ug/l	100
31) Cyclohexane	5.465	56	116882	43.955	ug/l	86
32) 1,1,1-Trichloroethane	5.379	97	153118	53.611	ug/l	98
36) 1,1-Dichloropropene	5.690	75	117919	51.204	ug/l	97
37) Ethyl Acetate	4.709	43	128241	49.200	ug/l #	95
38) Carbon Tetrachloride	5.672	117	131762	53.817	ug/l	99
39) Methylcyclohexane	7.373	83	124902	43.618	ug/l	90
40) Benzene	6.032	78	359895	53.714	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.916	41	67607	48.496	ug/l #	88
42) 1,2-Dichloroethane	6.080	62	143080	58.407	ug/l	96
43) Isopropyl Acetate	6.336	43	214805	47.875	ug/l #	94
44) Trichloroethene	7.123	130	97858	55.876	ug/l	95
45) 1,2-Dichloropropane	7.428	63	92867	51.913	ug/l	99
46) Dibromomethane	7.580	93	70986	56.699	ug/l	94
47) Bromodichloromethane	7.818	83	140932	54.840	ug/l	96
48) Methyl methacrylate	7.690	41	101989	48.878	ug/l #	87
49) 1,4-Dioxane	7.659	88	45842	1087.510	ug/l #	87
51) 4-Methyl-2-Pentanone	8.574	43	616225	248.181	ug/l	93
52) Toluene	8.714	92	232646	55.415	ug/l	99
53) t-1,3-Dichloropropene	8.976	75	156727	53.958	ug/l	99
54) cis-1,3-Dichloropropene	8.366	75	164560	53.690	ug/l	90
55) 1,1,2-Trichloroethane	9.147	97	99805	56.554	ug/l	97
56) Ethyl methacrylate	9.116	69	154125	53.633	ug/l	91
57) 1,3-Dichloropropane	9.305	76	165763	56.394	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.238	63	340366	240.380	ug/l	94
59) 2-Hexanone	9.427	43	474002	257.222	ug/l	90
60) Dibromochloromethane	9.519	129	110518	56.978	ug/l	100
61) 1,2-Dibromoethane	9.610	107	107254	58.641	ug/l	99
64) Tetrachloroethene	9.275	164	85646	56.410	ug/l	97
65) Chlorobenzene	10.080	112	252223	56.213	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.159	131	97859	56.427	ug/l	99
67) Ethyl Benzene	10.189	91	441705	53.888	ug/l	99
68) m/p-Xylenes	10.299	106	343009	112.157	ug/l	98
69) o-Xylene	10.640	106	170508	55.855	ug/l	98
70) Styrene	10.653	104	285632	56.711	ug/l	98
71) Bromoform	10.799	173	79142	56.375	ug/l #	99
73) Isopropylbenzene	10.964	105	429421	49.073	ug/l	99
74) N-amyl acetate	10.842	43	179646	44.024	ug/l	93
75) 1,1,2,2-Tetrachloroethane	11.214	83	145544	49.244	ug/l	99
76) 1,2,3-Trichloropropane	11.238	75	128360m	51.611	ug/l	
77) Bromobenzene	11.195	156	107715	54.051	ug/l	93
78) n-propylbenzene	11.305	91	493687	48.782	ug/l	99
79) 2-Chlorotoluene	11.366	91	307601	50.159	ug/l	98
80) 1,3,5-Trimethylbenzene	11.451	105	369555	50.482	ug/l	99
81) trans-1,4-Dichloro-2-b...	11.018	75	49064	44.714	ug/l	87
82) 4-Chlorotoluene	11.451	91	361424	51.726	ug/l	98
83) tert-Butylbenzene	11.713	119	349828	48.643	ug/l	98
84) 1,2,4-Trimethylbenzene	11.750	105	375816	51.333	ug/l	97
85) sec-Butylbenzene	11.890	105	423808	47.254	ug/l	99
86) p-Isopropyltoluene	12.006	119	365382	49.511	ug/l	99
87) 1,3-Dichlorobenzene	11.969	146	200208	54.243	ug/l	98
88) 1,4-Dichlorobenzene	12.043	146	202742	55.349	ug/l	99
89) n-Butylbenzene	12.329	91	316991	47.983	ug/l	99
90) Hexachloroethane	12.536	117	66130	44.201	ug/l	96
91) 1,2-Dichlorobenzene	12.335	146	201032	56.442	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	12.939	75	35129	51.149	ug/l	86
93) 1,2,4-Trichlorobenzene	13.585	180	126188	57.505	ug/l	98
94) Hexachlorobutadiene	13.725	225	45378	49.985	ug/l	99
95) Naphthalene	13.774	128	440101	57.552	ug/l	100
96) 1,2,3-Trichlorobenzene	13.963	180	127208	58.816	ug/l	99

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

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