

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX090723\
 Data File : VX037594.D
 Acq On : 07 Sep 2023 21:35
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

Reviewed By : John Carlone 09/08/2023
 Supervised By : Mahesh Dadoda 09/08/2023

Quant Time: Sep 08 00:52:53 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X081723W.M
 Quant Title : SW846 8260
 QLast Update : Fri Aug 18 09:30:38 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.556	168	115269	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	6.763	114	200381	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	190778	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	95186	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	84297	50.726	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 101.460%			
35) Dibromofluoromethane	5.391	113	77935	58.727	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 117.460%			
50) Toluene-d8	8.653	98	264300	54.905	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 109.800%			
62) 4-Bromofluorobenzene	11.079	95	106864	56.489	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 112.980%			
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.166	85	60831	45.431	ug/l	99
3) Chloromethane	1.307	50	58827	50.219	ug/l	97
4) Vinyl Chloride	1.374	62	65775	51.585	ug/l	100
5) Bromomethane	1.599	94	27973	44.042	ug/l	99
6) Chloroethane	1.672	64	36027	48.015	ug/l	99
7) Trichlorofluoromethane	1.880	101	103277	49.446	ug/l	99
8) Diethyl Ether	2.136	74	45156	55.880	ug/l	72
9) 1,1,2-Trichlorotrifluo...	2.325	101	63922	52.460	ug/l	95
10) Methyl Iodide	2.447	142	83323	56.264	ug/l	92
11) Tert butyl alcohol	2.971	59	106416	272.986	ug/l	# 93
12) 1,1-Dichloroethene	2.313	96	64160	54.071	ug/l	82
13) Acrolein	2.239	56	82143	276.991	ug/l	99
14) Allyl chloride	2.660	41	91379	49.754	ug/l	# 86
15) Acrylonitrile	3.069	53	224902	323.236	ug/l	99
16) Acetone	2.386	43	181026	278.452	ug/l	# 82
17) Carbon Disulfide	2.508	76	123146	40.801	ug/l	97
18) Methyl Acetate	2.709	43	147344	60.194	ug/l	# 85
19) Methyl tert-butyl Ether	3.117	73	252439	56.095	ug/l	97
20) Methylene Chloride	2.788	84	79346	54.576	ug/l	# 81
21) trans-1,2-Dichloroethene	3.087	96	69059	51.198	ug/l	83
22) Diisopropyl ether	3.764	45	210823	55.939	ug/l	# 83
23) Vinyl Acetate	3.727	43	780297	270.179	ug/l	# 88
24) 1,1-Dichloroethane	3.611	63	132213	55.942	ug/l	97
25) 2-Butanone	4.562	43	289144	295.383	ug/l	# 84
26) 2,2-Dichloropropane	4.477	77	59682	28.277	ug/l	89
27) cis-1,2-Dichloroethene	4.489	96	89684	56.399	ug/l	80
28) Bromochloromethane	4.904	49	58449	55.362	ug/l	# 69
29) Tetrahydrofuran	5.007	42	183116	293.333	ug/l	# 80
30) Chloroform	5.099	83	146765	55.320	ug/l	99
31) Cyclohexane	5.471	56	92386	49.442	ug/l	86
32) 1,1,1-Trichloroethane	5.385	97	126005	53.000	ug/l	95
36) 1,1-Dichloropropene	5.696	75	92340	48.976	ug/l	95
37) Ethyl Acetate	4.721	43	107279	55.702	ug/l	# 90
38) Carbon Tetrachloride	5.678	117	105314	51.421	ug/l	99
39) Methylcyclohexane	7.379	83	106991	54.011	ug/l	90
40) Benzene	6.037	78	302067	55.862	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.922	41	58210	58.139	ug/l #	84
42) 1,2-Dichloroethane	6.086	62	105634	49.815	ug/l	91
43) Isopropyl Acetate	6.342	43	169156	55.321	ug/l #	88
44) Trichloroethene	7.129	130	80922	52.777	ug/l	95
45) 1,2-Dichloropropane	7.434	63	78393	58.796	ug/l	96
46) Dibromomethane	7.580	93	58461	55.659	ug/l	92
47) Bromodichloromethane	7.824	83	112859	56.098	ug/l	98
48) Methyl methacrylate	7.696	41	82404	55.261	ug/l #	78
49) 1,4-Dioxane	7.665	88	48916	1218.028	ug/l #	85
51) 4-Methyl-2-Pentanone	8.574	43	559008	301.073	ug/l #	87
52) Toluene	8.720	92	197444	55.264	ug/l	99
53) t-1,3-Dichloropropene	8.982	75	108577	50.687	ug/l	99
54) cis-1,3-Dichloropropene	8.366	75	120591	52.095	ug/l #	81
55) 1,1,2-Trichloroethane	9.153	97	91065	62.596	ug/l	98
56) Ethyl methacrylate	9.116	69	137569	60.370	ug/l #	78
57) 1,3-Dichloropropane	9.311	76	144721	59.010	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.244	63	299908	274.249	ug/l	91
59) 2-Hexanone	9.433	43	424302	299.711	ug/l	83
60) Dibromochloromethane	9.525	129	93500	60.364	ug/l	100
61) 1,2-Dibromoethane	9.610	107	93400	58.638	ug/l	99
64) Tetrachloroethene	9.275	164	69195	49.718	ug/l	95
65) Chlorobenzene	10.079	112	219767	54.504	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.165	131	86469	58.104	ug/l	99
67) Ethyl Benzene	10.195	91	378732	53.380	ug/l	98
68) m/p-Xylenes	10.299	106	297010	108.400	ug/l	95
69) o-Xylene	10.640	106	149564	55.327	ug/l	97
70) Styrene	10.659	104	252270	56.653	ug/l	96
71) Bromoform	10.799	173	67707	60.823	ug/l #	99
73) Isopropylbenzene	10.963	105	387094	55.950	ug/l	98
74) N-amyl acetate	10.842	43	144624	53.797	ug/l #	86
75) 1,1,2,2-Tetrachloroethane	11.213	83	141251	60.622	ug/l	100
76) 1,2,3-Trichloropropane	11.238	75	112546m	55.519	ug/l	
77) Bromobenzene	11.201	156	95706	56.641	ug/l	89
78) n-propylbenzene	11.305	91	428589	55.632	ug/l	98
79) 2-Chlorotoluene	11.366	91	268741	54.587	ug/l	97
80) 1,3,5-Trimethylbenzene	11.451	105	327161	56.687	ug/l	99
81) trans-1,4-Dichloro-2-b...	11.018	75	34969	48.181	ug/l #	84
82) 4-Chlorotoluene	11.457	91	300543	52.885	ug/l	97
83) tert-Butylbenzene	11.713	119	338604	61.519	ug/l	95
84) 1,2,4-Trimethylbenzene	11.750	105	330526	56.667	ug/l	97
85) sec-Butylbenzene	11.890	105	406210	63.184	ug/l	99
86) p-Isopropyltoluene	12.012	119	339793	61.397	ug/l	97
87) 1,3-Dichlorobenzene	11.969	146	172503	54.529	ug/l	98
88) 1,4-Dichlorobenzene	12.043	146	172314	52.721	ug/l	99
89) n-Butylbenzene	12.335	91	272942	59.485	ug/l	99
90) Hexachloroethane	12.536	117	60873	65.898	ug/l	90
91) 1,2-Dichlorobenzene	12.335	146	175905	56.785	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	12.945	75	31517	58.214	ug/l	76
93) 1,2,4-Trichlorobenzene	13.585	180	104626	57.723	ug/l	97
94) Hexachlorobutadiene	13.725	225	44920	64.150	ug/l	99
95) Naphthalene	13.774	128	399927	50.370	ug/l	99
96) 1,2,3-Trichlorobenzene	13.963	180	109905	61.031	ug/l	100

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

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