

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX080923\
 Data File : VX036880.D
 Acq On : 09 Aug 2023 10:02
 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 08/10/2023
 Supervised By : Mahesh Dadoda 08/10/2023

Quant Time: Aug 10 01:11:30 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	5.549	168	159799	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	267540	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	237885	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	120289	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	106626	45.095	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	90.200%		
35) Dibromofluoromethane	5.385	113	90667	49.304	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	98.600%		
50) Toluene-d8	8.646	98	299978	46.000	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	92.000%		
62) 4-Bromofluorobenzene	11.079	95	119869	48.720	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	97.440%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.166	85	108115	51.215	ug/l	98
3) Chloromethane	1.300	50	88533	46.110	ug/l	99
4) Vinyl Chloride	1.373	62	100098	51.205	ug/l	99
5) Bromomethane	1.599	94	60184	51.568	ug/l	98
6) Chloroethane	1.678	64	62181	65.426	ug/l	99
7) Trichlorofluoromethane	1.885	101	174348	57.754	ug/l	99
8) Diethyl Ether	2.129	74	61409	52.579	ug/l	76
9) 1,1,2-Trichlorotrifluo...	2.324	101	97777	53.911	ug/l	98
10) Methyl Iodide	2.452	142	116049	61.603	ug/l	94
11) Tert butyl alcohol	2.958	59	124722	222.808	ug/l #	92
12) 1,1-Dichloroethene	2.318	96	93778	52.409	ug/l	86
13) Acrolein	2.233	56	94537	295.926	ug/l	98
14) Allyl chloride	2.660	41	155981	44.269	ug/l #	95
15) Acrylonitrile	3.062	53	264730	235.164	ug/l	100
16) Acetone	2.379	43	260370	265.369	ug/l	90
17) Carbon Disulfide	2.507	76	239119	48.419	ug/l	99
18) Methyl Acetate	2.702	43	189087	45.811	ug/l	92
19) Methyl tert-butyl Ether	3.111	73	345353	51.360	ug/l	97
20) Methylene Chloride	2.788	84	104459	47.871	ug/l	89
21) trans-1,2-Dichloroethene	3.086	96	103225	51.617	ug/l	90
22) Diisopropyl ether	3.757	45	307911	46.025	ug/l #	87
23) Vinyl Acetate	3.714	43	1195947	233.046	ug/l #	93
24) 1,1-Dichloroethane	3.605	63	186893	49.826	ug/l	97
25) 2-Butanone	4.550	43	377318	237.027	ug/l	91
26) 2,2-Dichloropropane	4.470	77	180520	51.076	ug/l	98
27) cis-1,2-Dichloroethene	4.483	96	121790	51.274	ug/l	92
28) Bromochloromethane	4.891	49	77248	42.583	ug/l	83
29) Tetrahydrofuran	4.995	42	231378	225.446	ug/l #	87
30) Chloroform	5.086	83	201416	52.486	ug/l	96
31) Cyclohexane	5.464	56	154805	47.286	ug/l	91
32) 1,1,1-Trichloroethane	5.379	97	185902	52.870	ug/l	98
36) 1,1-Dichloropropene	5.690	75	146995	53.630	ug/l	98
37) Ethyl Acetate	4.708	43	146688	47.284	ug/l	95
38) Carbon Tetrachloride	5.677	117	162625	55.809	ug/l	99
39) Methylcyclohexane	7.378	83	165336	48.511	ug/l	90
40) Benzene	6.031	78	419400	52.593	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.909	41	78736	47.453	ug/l #	90
42) 1,2-Dichloroethane	6.080	62	159298	54.636	ug/l	96
43) Isopropyl Acetate	6.336	43	246975	46.249	ug/l #	94
44) Trichloroethene	7.122	130	117279	56.264	ug/l	98
45) 1,2-Dichloropropane	7.427	63	106701	50.115	ug/l	98
46) Dibromomethane	7.573	93	81188	54.485	ug/l	96
47) Bromodichloromethane	7.817	83	162886	53.254	ug/l	95
48) Methyl methacrylate	7.689	41	116464	46.895	ug/l #	87
49) 1,4-Dioxane	7.653	88	49665	989.926	ug/l #	87
51) 4-Methyl-2-Pentanone	8.573	43	700799	237.140	ug/l	94
52) Toluene	8.714	92	270097	54.055	ug/l	99
53) t-1,3-Dichloropropene	8.976	75	178777	51.714	ug/l	98
54) cis-1,3-Dichloropropene	8.366	75	190800	52.304	ug/l #	89
55) 1,1,2-Trichloroethane	9.146	97	110760	52.733	ug/l	98
56) Ethyl methacrylate	9.116	69	175598	51.341	ug/l	92
57) 1,3-Dichloropropane	9.305	76	186779	53.390	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.238	63	384374	228.081	ug/l	94
59) 2-Hexanone	9.427	43	528299	240.874	ug/l	92
60) Dibromochloromethane	9.518	129	125540	54.379	ug/l	100
61) 1,2-Dibromoethane	9.610	107	121294	55.719	ug/l	100
64) Tetrachloroethene	9.268	164	102226	57.613	ug/l	98
65) Chlorobenzene	10.079	112	290359	55.374	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.158	131	112371	55.444	ug/l	100
67) Ethyl Benzene	10.195	91	520291	54.315	ug/l	99
68) m/p-Xylenes	10.299	106	399460	111.765	ug/l	97
69) o-Xylene	10.640	106	194082	54.402	ug/l	99
70) Styrene	10.652	104	323684	54.992	ug/l	98
71) Bromoform	10.799	173	88818	54.137	ug/l #	100
73) Isopropylbenzene	10.963	105	505833	50.812	ug/l	99
74) N-amyl acetate	10.841	43	202738	43.672	ug/l	95
75) 1,1,2,2-Tetrachloroethane	11.213	83	161374	47.995	ug/l	99
76) 1,2,3-Trichloropropane	11.237	75	140350m	49.605	ug/l	
77) Bromobenzene	11.195	156	120320	53.072	ug/l	93
78) n-propylbenzene	11.305	91	581689	50.524	ug/l	99
79) 2-Chlorotoluene	11.365	91	352880	50.582	ug/l	98
80) 1,3,5-Trimethylbenzene	11.451	105	423957	50.907	ug/l	100
81) trans-1,4-Dichloro-2-b...	11.018	75	57654	46.186	ug/l	86
82) 4-Chlorotoluene	11.451	91	409276	51.488	ug/l	99
83) tert-Butylbenzene	11.713	119	400776	48.986	ug/l	98
84) 1,2,4-Trimethylbenzene	11.750	105	428253	51.419	ug/l	97
85) sec-Butylbenzene	11.890	105	487926	47.821	ug/l	98
86) p-Isopropyltoluene	12.006	119	419021	49.910	ug/l	99
87) 1,3-Dichlorobenzene	11.969	146	224823	53.543	ug/l	99
88) 1,4-Dichlorobenzene	12.042	146	224912	53.974	ug/l	100
89) n-Butylbenzene	12.329	91	363575	48.376	ug/l	99
90) Hexachloroethane	12.536	117	76351	44.859	ug/l	94
91) 1,2-Dichlorobenzene	12.335	146	218042	53.812	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	12.938	75	38362	49.099	ug/l	87
93) 1,2,4-Trichlorobenzene	13.585	180	132031	52.889	ug/l	97
94) Hexachlorobutadiene	13.725	225	51295	49.667	ug/l	98
95) Naphthalene	13.774	128	469128	53.927	ug/l	100
96) 1,2,3-Trichlorobenzene	13.963	180	129405	52.594	ug/l	99

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

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