

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX020923\
 Data File : VX034061.D
 Acq On : 07 Feb 2023 15:12
 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 02/08/2023
 Supervised By : Mahesh Dadoda 02/08/2023

Quant Time: Feb 07 15:41:49 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X020423W.M
 Quant Title : SW846 8260
 QLast Update : Fri Feb 03 23:25:45 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.550	168	145355	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	196299	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	176598	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	96921	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	63653	45.424	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	90.840%		
35) Dibromofluoromethane	5.385	113	57407	45.951	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	91.900%		
50) Toluene-d8	8.647	98	208126	46.238	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	92.480%		
62) 4-Bromofluorobenzene	11.079	95	77522	48.222	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	96.440%		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.166	85	60882	51.525	ug/l	99
3) Chloromethane	1.294	50	53293	47.794	ug/l	100
4) Vinyl Chloride	1.374	62	52521	44.976	ug/l	99
5) Bromomethane	1.605	94	28801	47.895	ug/l	99
6) Chloroethane	1.685	64	31073	48.119	ug/l	95
7) Trichlorofluoromethane	1.886	101	90829	48.885	ug/l	97
8) Diethyl Ether	2.130	74	28921	45.255	ug/l	89
9) 1,1,2-Trichlorotrifluo...	2.331	101	59614	48.057	ug/l	92
10) Methyl Iodide	2.453	142	83312	47.406	ug/l	94
11) Tert butyl alcohol	2.947	59	51274	261.169	ug/l #	84
12) 1,1-Dichloroethene	2.319	96	55187	46.370	ug/l	91
13) Acrolein	2.233	56	60701	230.520	ug/l	99
14) Allyl chloride	2.666	41	90414	46.594	ug/l	91
15) Acrylonitrile	3.056	53	144762	229.867	ug/l	99
16) Acetone	2.373	43	132401	223.707	ug/l	94
17) Carbon Disulfide	2.514	76	135138	44.754	ug/l	99
18) Methyl Acetate	2.697	43	86112	46.773	ug/l	96
19) Methyl tert-butyl Ether	3.111	73	176537	48.103	ug/l	99
20) Methylene Chloride	2.788	84	61866	45.690	ug/l	94
21) trans-1,2-Dichloroethene	3.093	96	60471	46.651	ug/l	95
22) Diisopropyl ether	3.757	45	177103	46.249	ug/l	90
23) Vinyl Acetate	3.715	43	683781	234.495	ug/l	97
24) 1,1-Dichloroethane	3.605	63	104811	47.485	ug/l	99
25) 2-Butanone	4.550	43	195783	227.177	ug/l	94
26) 2,2-Dichloropropane	4.471	77	78049	48.475	ug/l	99
27) cis-1,2-Dichloroethene	4.489	96	70371	47.196	ug/l	95
28) Bromochloromethane	4.891	49	41127	42.380	ug/l	85
29) Tetrahydrofuran	4.995	42	123082	224.553	ug/l	93
30) Chloroform	5.092	83	110882	48.202	ug/l	100
31) Cyclohexane	5.470	56	94678	46.395	ug/l	99
32) 1,1,1-Trichloroethane	5.385	97	96809	48.867	ug/l	98
36) 1,1-Dichloropropene	5.690	75	82574	48.208	ug/l	99
37) Ethyl Acetate	4.702	43	75248	47.158	ug/l	98
38) Carbon Tetrachloride	5.672	117	89876	49.197	ug/l	98
39) Methylcyclohexane	7.379	83	103685	48.089	ug/l	94
40) Benzene	6.037	78	238049	48.032	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.910	41	43123	48.022	ug/l	96
42) 1,2-Dichloroethane	6.086	62	85541	50.794	ug/l	100
43) Isopropyl Acetate	6.336	43	118661	47.684	ug/l	97
44) Trichloroethene	7.123	130	73602	48.321	ug/l	99
45) 1,2-Dichloropropane	7.427	63	59176	48.361	ug/l	98
46) Dibromomethane	7.580	93	43374	49.477	ug/l	94
47) Bromodichloromethane	7.818	83	83206	50.089	ug/l #	93
48) Methyl methacrylate	7.690	41	63047	49.070	ug/l	95
49) 1,4-Dioxane	7.665	88	29605	1197.063	ug/l #	92
51) 4-Methyl-2-Pentanone	8.574	43	381658	244.511	ug/l	98
52) Toluene	8.714	92	157162	48.932	ug/l	99
53) t-1,3-Dichloropropene	8.976	75	86372	51.723	ug/l	99
54) cis-1,3-Dichloropropene	8.366	75	95596	50.316	ug/l	98
55) 1,1,2-Trichloroethane	9.147	97	63660	49.622	ug/l	97
56) Ethyl methacrylate	9.116	69	91534	51.084	ug/l	96
57) 1,3-Dichloropropane	9.305	76	103947	49.600	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.238	63	203020	243.523	ug/l	96
59) 2-Hexanone	9.427	43	282428	247.248	ug/l	98
60) Dibromochloromethane	9.519	129	72317	50.861	ug/l	99
61) 1,2-Dibromoethane	9.610	107	68213	49.447	ug/l	96
64) Tetrachloroethene	9.275	164	70209	47.613	ug/l	98
65) Chlorobenzene	10.079	112	178985	49.074	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.159	131	68787	49.909	ug/l	99
67) Ethyl Benzene	10.195	91	307052	49.739	ug/l	100
68) m/p-Xylenes	10.299	106	244701	99.166	ug/l	100
69) o-Xylene	10.640	106	119579	50.457	ug/l	100
70) Styrene	10.652	104	200748	51.431	ug/l	99
71) Bromoform	10.799	173	58574	52.101	ug/l #	99
73) Isopropylbenzene	10.963	105	317418	49.004	ug/l	100
74) N-amyl acetate	10.841	43	103537	48.520	ug/l	97
75) 1,1,2,2-Tetrachloroethane	11.213	83	89934	46.144	ug/l	99
76) 1,2,3-Trichloropropane	11.238	75	82696m	49.691	ug/l	
77) Bromobenzene	11.195	156	86493	48.154	ug/l	97
78) n-propylbenzene	11.305	91	355292	49.608	ug/l	100
79) 2-Chlorotoluene	11.366	91	207172	47.774	ug/l	98
80) 1,3,5-Trimethylbenzene	11.451	105	267240	49.566	ug/l	99
81) trans-1,4-Dichloro-2-b...	11.018	75	25411	47.023	ug/l	99
82) 4-Chlorotoluene	11.451	91	241581	49.255	ug/l	99
83) tert-Butylbenzene	11.713	119	273276	49.060	ug/l	99
84) 1,2,4-Trimethylbenzene	11.750	105	268600	49.865	ug/l	98
85) sec-Butylbenzene	11.890	105	330071	49.526	ug/l	99
86) p-Isopropyltoluene	12.006	119	293334	50.183	ug/l	99
87) 1,3-Dichlorobenzene	11.969	146	159518	48.400	ug/l	99
88) 1,4-Dichlorobenzene	12.042	146	159304	47.608	ug/l	99
89) n-Butylbenzene	12.329	91	234049	51.071	ug/l	99
90) Hexachloroethane	12.536	117	45685	49.646	ug/l	92
91) 1,2-Dichlorobenzene	12.335	146	155687	48.435	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	12.945	75	18591	48.510	ug/l	95
93) 1,2,4-Trichlorobenzene	13.585	180	114712	50.509	ug/l	99
94) Hexachlorobutadiene	13.725	225	54170	48.187	ug/l	99
95) Naphthalene	13.774	128	304118	48.738	ug/l	100
96) 1,2,3-Trichlorobenzene	13.963	180	110725	48.535	ug/l	99

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

