

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX062124\
 Data File : VX041967.D
 Acq On : 21 Jun 2024 09:34
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

Reviewed By : John Carlone 06/24/2024
 Supervised By : Mahesh Dadoda 06/24/2024

Quant Time: Jun 22 04:37:09 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X061824W.M
 Quant Title : SW846 8260
 QLast Update : Fri Jun 21 23:51:58 2024
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.550	168	175844	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	6.757	114	258595	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	243049	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	137340	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	96903	47.790	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	95.580%		
35) Dibromofluoromethane	5.385	113	88063	47.994	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	95.980%		
50) Toluene-d8	8.647	98	299109	46.402	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	92.800%		
62) 4-Bromofluorobenzene	11.079	95	120060	50.527	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	101.060%		
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.167	85	60748	45.346	ug/l	97
3) Chloromethane	1.301	50	73807	43.916	ug/l	100
4) Vinyl Chloride	1.374	62	72505	43.038	ug/l	100
5) Bromomethane	1.599	94	41309	49.657	ug/l	95
6) Chloroethane	1.666	64	37518	53.808	ug/l	97
7) Trichlorofluoromethane	1.868	101	114181	51.731	ug/l	100
8) Diethyl Ether	2.136	74	52598	50.766	ug/l	89
9) 1,1,2-Trichlorotrifluo...	2.313	101	73538	48.366	ug/l	86
10) Methyl Iodide	2.441	142	95082	50.313	ug/l	# 86
11) Tert butyl alcohol	3.002	59	99932	259.682	ug/l	# 93
12) 1,1-Dichloroethene	2.307	96	69720	45.969	ug/l	# 81
13) Acrolein	2.240	56	120271	278.811	ug/l	99
14) Allyl chloride	2.654	41	124476	51.750	ug/l	89
15) Acrylonitrile	3.069	53	273416	272.012	ug/l	99
16) Acetone	2.392	43	251201	282.132	ug/l	91
17) Carbon Disulfide	2.502	76	133467	43.159	ug/l	98
18) Methyl Acetate	2.709	43	144389	59.447	ug/l	95
19) Methyl tert-butyl Ether	3.117	73	270271	53.940	ug/l	100
20) Methylene Chloride	2.782	84	91413	46.888	ug/l	92
21) trans-1,2-Dichloroethene	3.087	96	73934	48.032	ug/l	85
22) Diisopropyl ether	3.764	45	269667	53.039	ug/l	87
23) Vinyl Acetate	3.721	43	1195096	275.238	ug/l	95
24) 1,1-Dichloroethane	3.605	63	145035	50.939	ug/l	97
25) 2-Butanone	4.562	43	385157	278.053	ug/l	94
26) 2,2-Dichloropropane	4.465	77	109889	53.296	ug/l	93
27) cis-1,2-Dichloroethene	4.483	96	97482	50.564	ug/l	87
28) Bromochloromethane	4.898	49	62338	51.117	ug/l	# 75
29) Tetrahydrofuran	5.013	42	244130	272.892	ug/l	96
30) Chloroform	5.087	83	152296	51.342	ug/l	98
31) Cyclohexane	5.465	56	105710	44.578	ug/l	91
32) 1,1,1-Trichloroethane	5.379	97	122697	49.502	ug/l	96
36) 1,1-Dichloropropene	5.684	75	91831	47.130	ug/l	95
37) Ethyl Acetate	4.721	43	137837	54.306	ug/l	98
38) Carbon Tetrachloride	5.672	117	105559	49.033	ug/l	99
39) Methylcyclohexane	7.379	83	118510	48.093	ug/l	92
40) Benzene	6.032	78	323072	49.163	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.922	41	76546	55.635	ug/l	91
42) 1,2-Dichloroethane	6.086	62	110227	52.074	ug/l	90
43) Isopropyl Acetate	6.342	43	209552	53.787	ug/l	94
44) Trichloroethene	7.123	130	86566	49.144	ug/l	86
45) 1,2-Dichloropropane	7.428	63	84301	52.172	ug/l	99
46) Dibromomethane	7.580	93	61750	52.450	ug/l #	75
47) Bromodichloromethane	7.818	83	116492	53.893	ug/l	99
48) Methyl methacrylate	7.696	41	105076	56.513	ug/l	86
49) 1,4-Dioxane	7.665	88	48194	980.007	ug/l #	87
51) 4-Methyl-2-Pentanone	8.574	43	748876	279.048	ug/l	95
52) Toluene	8.714	92	210025	50.190	ug/l	99
53) t-1,3-Dichloropropene	8.976	75	121570	53.035	ug/l	99
54) cis-1,3-Dichloropropene	8.366	75	132704	56.076	ug/l #	87
55) 1,1,2-Trichloroethane	9.153	97	95030	54.513	ug/l	96
56) Ethyl methacrylate	9.116	69	153790	56.708	ug/l #	89
57) 1,3-Dichloropropane	9.305	76	151939	53.948	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.238	63	351507	278.133	ug/l	94
59) 2-Hexanone	9.433	43	588409	286.266	ug/l	93
60) Dibromochloromethane	9.519	129	107418	56.728	ug/l	99
61) 1,2-Dibromoethane	9.610	107	98409	54.434	ug/l	100
64) Tetrachloroethene	9.269	164	84885	47.968	ug/l	92
65) Chlorobenzene	10.080	112	252483	49.949	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.165	131	92906	52.497	ug/l	98
67) Ethyl Benzene	10.195	91	395439	49.918	ug/l	96
68) m/p-Xylenes	10.299	106	322159	100.744	ug/l	91
69) o-Xylene	10.640	106	161515	51.016	ug/l	93
70) Styrene	10.653	104	285876	53.848	ug/l	94
71) Bromoform	10.799	173	89225	52.116	ug/l #	99
73) Isopropylbenzene	10.964	105	411604	49.289	ug/l	97
74) N-amyl acetate	10.842	43	195304	52.651	ug/l	95
75) 1,1,2,2-Tetrachloroethane	11.214	83	157139	50.607	ug/l	99
76) 1,2,3-Trichloropropane	11.238	75	127473m	51.127	ug/l	
77) Bromobenzene	11.195	156	122794	49.373	ug/l	79
78) n-propylbenzene	11.305	91	455345	50.254	ug/l	96
79) 2-Chlorotoluene	11.366	91	287735	49.288	ug/l	93
80) 1,3,5-Trimethylbenzene	11.451	105	348323	50.078	ug/l	94
81) trans-1,4-Dichloro-2-b...	11.018	75	47350	53.933	ug/l	87
82) 4-Chlorotoluene	11.451	91	330600	51.228	ug/l	92
83) tert-Butylbenzene	11.713	119	371516	48.678	ug/l	90
84) 1,2,4-Trimethylbenzene	11.750	105	358937	51.436	ug/l	92
85) sec-Butylbenzene	11.890	105	441920	51.192	ug/l	96
86) p-Isopropyltoluene	12.006	119	389786	51.690	ug/l	94
87) 1,3-Dichlorobenzene	11.969	146	222122	50.811	ug/l	95
88) 1,4-Dichlorobenzene	12.043	146	224926	50.147	ug/l	95
89) n-Butylbenzene	12.329	91	311543	53.670	ug/l	97
90) Hexachloroethane	12.536	117	64484	50.227	ug/l	60
91) 1,2-Dichlorobenzene	12.335	146	229931	51.401	ug/l	95
92) 1,2-Dibromo-3-Chloropr...	12.939	75	34037	55.314	ug/l #	54
93) 1,2,4-Trichlorobenzene	13.585	180	159014	54.264	ug/l	96
94) Hexachlorobutadiene	13.725	225	75836	51.178	ug/l	99
95) Naphthalene	13.774	128	505133	51.280	ug/l	100
96) 1,2,3-Trichlorobenzene	13.957	180	168095	54.390	ug/l	95

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

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