

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX051023\
 Data File : VX035577.D
 Acq On : 10 May 2023 11:03
 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 05/11/2023
 Supervised By : Mahesh Dadoda 05/11/2023

Quant Time: May 11 04:14:32 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X042523W.M
 Quant Title : SW846 8260
 QLast Update : Tue Apr 25 16:31:40 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.550	168	304037	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	472336	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	419791	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	209220	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	158090	43.099	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	86.200%		
35) Dibromofluoromethane	5.385	113	150735	51.994	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	103.980%		
50) Toluene-d8	8.647	98	524408	47.952	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	95.900%		
62) 4-Bromofluorobenzene	11.079	95	207123	50.346	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	100.700%		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.167	85	143724	44.675	ug/l	99
3) Chloromethane	1.295	50	146452	50.042	ug/l	99
4) Vinyl Chloride	1.374	62	133055	45.330	ug/l	98
5) Bromomethane	1.618	94	79894	40.952	ug/l	93
6) Chloroethane	1.691	64	78571	45.768	ug/l	100
7) Trichlorofluoromethane	1.886	101	214008	46.623	ug/l	99
8) Diethyl Ether	2.130	74	84593	50.545	ug/l	88
9) 1,1,2-Trichlorotrifluo...	2.331	101	157785	51.466	ug/l	94
10) Methyl Iodide	2.453	142	155032	40.068	ug/l	98
11) Tert butyl alcohol	3.008	59	164589	246.437	ug/l #	92
12) 1,1-Dichloroethene	2.319	96	148566	50.311	ug/l	95
13) Acrolein	2.240	56	151614	230.835	ug/l	100
14) Allyl chloride	2.666	41	265609	51.112	ug/l	93
15) Acrylonitrile	3.069	53	423395	253.466	ug/l	100
16) Acetone	2.392	43	407555	255.828	ug/l	94
17) Carbon Disulfide	2.514	76	385777	54.497	ug/l	100
18) Methyl Acetate	2.703	43	322951	52.423	ug/l	94
19) Methyl tert-butyl Ether	3.111	73	548004	54.093	ug/l	95
20) Methylene Chloride	2.788	84	177439	48.575	ug/l	88
21) trans-1,2-Dichloroethene	3.093	96	168320	52.483	ug/l	91
22) Diisopropyl ether	3.758	45	522434	50.803	ug/l #	88
23) Vinyl Acetate	3.721	43	1848375	261.493	ug/l	95
24) 1,1-Dichloroethane	3.605	63	302263	52.183	ug/l	99
25) 2-Butanone	4.562	43	586277	252.133	ug/l	93
26) 2,2-Dichloropropane	4.471	77	265981	58.612	ug/l	97
27) cis-1,2-Dichloroethene	4.483	96	207621	55.074	ug/l	90
28) Bromochloromethane	4.898	49	121496	49.220	ug/l #	77
29) Tetrahydrofuran	5.007	42	360945	242.146	ug/l	91
30) Chloroform	5.093	83	318171	54.412	ug/l	97
31) Cyclohexane	5.471	56	252328	48.494	ug/l	96
32) 1,1,1-Trichloroethane	5.385	97	284143	55.447	ug/l	95
36) 1,1-Dichloropropene	5.690	75	232089	51.271	ug/l	96
37) Ethyl Acetate	4.709	43	218630	52.880	ug/l #	94
38) Carbon Tetrachloride	5.672	117	249877	58.148	ug/l	99
39) Methylcyclohexane	7.379	83	265786	48.236	ug/l	96
40) Benzene	6.038	78	704804	54.276	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.916	41	126742	53.500	ug/l	95
42) 1,2-Dichloroethane	6.086	62	235223	50.804	ug/l	94
43) Isopropyl Acetate	6.336	43	381792	54.957	ug/l #	93
44) Trichloroethene	7.123	130	205928	57.565	ug/l	95
45) 1,2-Dichloropropane	7.428	63	182302	55.685	ug/l	99
46) Dibromomethane	7.580	93	126843	56.420	ug/l #	89
47) Bromodichloromethane	7.818	83	255056	61.575	ug/l	99
48) Methyl methacrylate	7.690	41	184647	54.184	ug/l	88
49) 1,4-Dioxane	7.714	88	76521	921.217	ug/l #	78
51) 4-Methyl-2-Pentanone	8.574	43	1113261	260.835	ug/l	93
52) Toluene	8.720	92	464025	56.374	ug/l	98
53) t-1,3-Dichloropropene	8.976	75	289701	66.970	ug/l	100
54) cis-1,3-Dichloropropene	8.366	75	310399	63.483	ug/l #	88
55) 1,1,2-Trichloroethane	9.153	97	189301	57.690	ug/l	98
56) Ethyl methacrylate	9.116	69	281385	57.565	ug/l #	86
57) 1,3-Dichloropropane	9.305	76	312258	55.636	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.238	63	646755	264.613	ug/l	92
59) 2-Hexanone	9.427	43	840596	262.164	ug/l	91
60) Dibromochloromethane	9.519	129	216415	68.836	ug/l	100
61) 1,2-Dibromoethane	9.610	107	202387	59.829	ug/l	100
64) Tetrachloroethene	9.275	164	170034	52.900	ug/l	97
65) Chlorobenzene	10.080	112	515663	56.777	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.159	131	203008	64.226	ug/l	98
67) Ethyl Benzene	10.189	91	879497	55.917	ug/l	99
68) m/p-Xylenes	10.299	106	697860	115.792	ug/l	93
69) o-Xylene	10.640	106	345712	58.497	ug/l	94
70) Styrene	10.653	104	578403	60.361	ug/l	95
71) Bromoform	10.799	173	166522	75.740	ug/l #	99
73) Isopropylbenzene	10.964	105	866513	56.658	ug/l	99
74) N-amyl acetate	10.842	43	326042	56.728	ug/l	92
75) 1,1,2,2-Tetrachloroethane	11.214	83	275653	58.070	ug/l	98
76) 1,2,3-Trichloropropane	11.238	75	224444m	53.779	ug/l	
77) Bromobenzene	11.195	156	229887	60.470	ug/l	87
78) n-propylbenzene	11.305	91	964127	54.890	ug/l	97
79) 2-Chlorotoluene	11.366	91	601057	54.762	ug/l	95
80) 1,3,5-Trimethylbenzene	11.451	105	722946	56.062	ug/l	95
81) trans-1,4-Dichloro-2-b...	11.018	75	93002	72.174	ug/l	89
82) 4-Chlorotoluene	11.451	91	690100	55.980	ug/l	95
83) tert-Butylbenzene	11.713	119	725829	56.096	ug/l	94
84) 1,2,4-Trimethylbenzene	11.750	105	743516	57.383	ug/l	98
85) sec-Butylbenzene	11.890	105	835363	52.634	ug/l	98
86) p-Isopropyltoluene	12.006	119	734387	54.405	ug/l	97
87) 1,3-Dichlorobenzene	11.969	146	425796	58.936	ug/l	98
88) 1,4-Dichlorobenzene	12.043	146	433252	57.195	ug/l	98
89) n-Butylbenzene	12.329	91	600255	52.677	ug/l	98
90) Hexachloroethane	12.536	117	129038	62.448	ug/l	86
91) 1,2-Dichlorobenzene	12.335	146	422414	58.458	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	12.939	75	57644	60.560	ug/l	71
93) 1,2,4-Trichlorobenzene	13.585	180	269906	59.424	ug/l	98
94) Hexachlorobutadiene	13.725	225	113113	56.744	ug/l	98
95) Naphthalene	13.774	128	868706	62.127	ug/l	100
96) 1,2,3-Trichlorobenzene	13.957	180	261409	57.173	ug/l	99

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

