

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX051123\
 Data File : VX035624.D
 Acq On : 11 May 2023 21:43
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

Reviewed By : John Carlone 05/12/2023
 Supervised By : Mahesh Dadoda 05/12/2023

Quant Time: May 12 03:57:22 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X051123W.M
 Quant Title : SW846 8260
 QLast Update : Thu May 11 13:57:54 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.550	168	218167	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	6.763	114	391044	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	349234	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	165600	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	189307	49.739	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	99.480%
35) Dibromofluoromethane	5.385	113	130109	49.336	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	98.680%
50) Toluene-d8	8.647	98	476688	48.929	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	97.860%
62) 4-Bromofluorobenzene	11.079	95	193525	49.334	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	98.660%

Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.166	85	134177	47.191	ug/l	99
3) Chloromethane	1.294	50	151100	43.791	ug/l	100
4) Vinyl Chloride	1.374	62	139469	47.628	ug/l	97
5) Bromomethane	1.611	94	71083	44.821	ug/l	98
6) Chloroethane	1.685	64	80801	45.485	ug/l	95
7) Trichlorofluoromethane	1.886	101	208788	48.492	ug/l	99
8) Diethyl Ether	2.130	74	78935	47.614	ug/l	97
9) 1,1,2-Trichlorotrifluo...	2.331	101	119601	46.786	ug/l	96
10) Methyl Iodide	2.453	142	122299	53.492	ug/l	92
11) Tert butyl alcohol	2.989	59	157967	235.252	ug/l	98
12) 1,1-Dichloroethene	2.319	96	114662	47.195	ug/l	87
13) Acrolein	2.239	56	172518	216.469	ug/l	100
14) Allyl chloride	2.666	41	241987	46.491	ug/l	94
15) Acrylonitrile	3.062	53	359743	243.297	ug/l	98
16) Acetone	2.386	43	336858	205.927	ug/l	95
17) Carbon Disulfide	2.514	76	276231	47.110	ug/l	100
18) Methyl Acetate	2.703	43	302794	50.191	ug/l	97
19) Methyl tert-butyl Ether	3.111	73	456321	47.199	ug/l	100
20) Methylene Chloride	2.788	84	137573	46.404	ug/l	97
21) trans-1,2-Dichloroethene	3.093	96	126328	47.452	ug/l	94
22) Diisopropyl ether	3.757	45	477186	46.824	ug/l	96
23) Vinyl Acetate	3.721	43	1739057	241.173	ug/l	98
24) 1,1-Dichloroethane	3.611	63	260129	47.727	ug/l	98
25) 2-Butanone	4.562	43	529933	234.021	ug/l	98
26) 2,2-Dichloropropane	4.477	77	198550	43.018	ug/l	97
27) cis-1,2-Dichloroethene	4.489	96	151786	47.428	ug/l	96
28) Bromochloromethane	4.897	49	121660	49.626	ug/l	97
29) Tetrahydrofuran	5.007	42	341907	240.222	ug/l	98
30) Chloroform	5.093	83	265261	47.495	ug/l	99
31) Cyclohexane	5.471	56	224738	46.737	ug/l	98
32) 1,1,1-Trichloroethane	5.385	97	231555	47.651	ug/l	98
36) 1,1-Dichloropropene	5.690	75	192874	46.334	ug/l	97
37) Ethyl Acetate	4.708	43	209829	48.327	ug/l	99
38) Carbon Tetrachloride	5.678	117	186429	47.278	ug/l	96
39) Methylcyclohexane	7.379	83	223143	45.539	ug/l	93
40) Benzene	6.038	78	539540	46.332	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.916	41	120377	46.696	ug/l	96
42) 1,2-Dichloroethane	6.086	62	235019	46.916	ug/l	97
43) Isopropyl Acetate	6.336	43	360787	47.653	ug/l	100
44) Trichloroethene	7.123	130	136320	46.167	ug/l	93
45) 1,2-Dichloropropane	7.428	63	145772	47.264	ug/l	98
46) Dibromomethane	7.580	93	100091	47.411	ug/l	95
47) Bromodichloromethane	7.818	83	196931	48.261	ug/l	98
48) Methyl methacrylate	7.690	41	182347	48.802	ug/l	97
49) 1,4-Dioxane	7.696	88	66023	861.951	ug/l	96
51) 4-Methyl-2-Pentanone	8.574	43	1070682	245.468	ug/l	98
52) Toluene	8.720	92	340251	46.287	ug/l	100
53) t-1,3-Dichloropropene	8.976	75	215118	48.523	ug/l	99
54) cis-1,3-Dichloropropene	8.366	75	228903	48.191	ug/l	97
55) 1,1,2-Trichloroethane	9.153	97	136202	47.175	ug/l	98
56) Ethyl methacrylate	9.116	69	227292	48.613	ug/l	98
57) 1,3-Dichloropropane	9.305	76	244718	46.756	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.244	63	602186	253.176	ug/l	99
59) 2-Hexanone	9.427	43	792843	241.363	ug/l	99
60) Dibromochloromethane	9.519	129	134868	49.005	ug/l	99
61) 1,2-Dibromoethane	9.610	107	143976	47.331	ug/l	99
64) Tetrachloroethene	9.275	164	111485	47.417	ug/l	96
65) Chlorobenzene	10.079	112	356902	46.817	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.165	131	127524	47.308	ug/l	98
67) Ethyl Benzene	10.195	91	667534	46.558	ug/l	97
68) m/p-Xylenes	10.299	106	494558	93.319	ug/l	95
69) o-Xylene	10.640	106	243900	46.379	ug/l	94
70) Styrene	10.653	104	404912	47.774	ug/l	97
71) Bromoform	10.799	173	84669	47.739	ug/l #	99
73) Isopropylbenzene	10.963	105	649463	46.542	ug/l	99
74) N-amyl acetate	10.842	43	307052	47.193	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.213	83	209435	46.267	ug/l	99
76) 1,2,3-Trichloropropane	11.238	75	180149m	44.474	ug/l	
77) Bromobenzene	11.195	156	145005	45.783	ug/l	92
78) n-propylbenzene	11.305	91	764327	46.596	ug/l	98
79) 2-Chlorotoluene	11.366	91	471676	45.928	ug/l	97
80) 1,3,5-Trimethylbenzene	11.451	105	549037	46.293	ug/l	100
81) trans-1,4-Dichloro-2-b...	11.018	75	58610	46.633	ug/l	89
82) 4-Chlorotoluene	11.451	91	543823	45.980	ug/l	97
83) tert-Butylbenzene	11.713	119	530681	46.032	ug/l	96
84) 1,2,4-Trimethylbenzene	11.750	105	554173	46.535	ug/l	97
85) sec-Butylbenzene	11.890	105	669337	46.241	ug/l	99
86) p-Isopropyltoluene	12.006	119	558842	46.961	ug/l	97
87) 1,3-Dichlorobenzene	11.969	146	271795	45.173	ug/l	97
88) 1,4-Dichlorobenzene	12.043	146	273998	45.098	ug/l	98
89) n-Butylbenzene	12.329	91	500525	46.237	ug/l	98
90) Hexachloroethane	12.536	117	84570	46.888	ug/l	93
91) 1,2-Dichlorobenzene	12.335	146	266763	45.276	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	12.945	75	48064	47.683	ug/l	90
93) 1,2,4-Trichlorobenzene	13.585	180	164514	46.373	ug/l	98
94) Hexachlorobutadiene	13.725	225	63708	45.243	ug/l	99
95) Naphthalene	13.774	128	576931	47.488	ug/l	99
96) 1,2,3-Trichlorobenzene	13.963	180	162222	46.494	ug/l	99

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

