

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX022423\
 Data File : VX034255.D
 Acq On : 24 Feb 2023 10:43
 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 02/27/2023
 Supervised By : Mahesh Dadoda 02/27/2023

Quant Time: Feb 24 22:18:37 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X021723W.M
 Quant Title : SW846 8260
 QLast Update : Fri Feb 17 12:33:35 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.549	168	319239	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	518744	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	478377	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	244416	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	186160	43.299	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	86.600%		
35) Dibromofluoromethane	5.385	113	158992	47.074	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	94.140%		
50) Toluene-d8	8.646	98	602843	49.713	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	99.420%		
62) 4-Bromofluorobenzene	11.079	95	245530	52.934	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	105.860%		
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.166	85	135580	49.149	ug/l	99
3) Chloromethane	1.300	50	186693	47.029	ug/l	99
4) Vinyl Chloride	1.373	62	188165	52.047	ug/l	100
5) Bromomethane	1.599	94	85088	63.922	ug/l	99
6) Chloroethane	1.684	64	106223	58.444	ug/l	99
7) Trichlorofluoromethane	1.885	101	280189	57.286	ug/l	97
8) Diethyl Ether	2.135	74	103459	52.504	ug/l	95
9) 1,1,2-Trichlorotrifluo...	2.330	101	158843	46.114	ug/l	96
10) Methyl Iodide	2.452	142	188195	44.873	ug/l	94
11) Tert butyl alcohol	2.952	59	195743	203.556	ug/l #	84
12) 1,1-Dichloroethene	2.318	96	153079	44.333	ug/l	94
13) Acrolein	2.233	56	103511	235.810	ug/l	99
14) Allyl chloride	2.666	41	309754	42.290	ug/l	89
15) Acrylonitrile	3.062	53	483615	230.536	ug/l	98
16) Acetone	2.379	43	504822	227.619	ug/l	90
17) Carbon Disulfide	2.513	76	411798	41.481	ug/l	99
18) Methyl Acetate	2.702	43	316869	46.174	ug/l	100
19) Methyl tert-butyl Ether	3.111	73	565365	46.392	ug/l	98
20) Methylene Chloride	2.788	84	178045	44.554	ug/l	98
21) trans-1,2-Dichloroethene	3.086	96	170636	47.161	ug/l	97
22) Diisopropyl ether	3.757	45	642899	50.067	ug/l	95
23) Vinyl Acetate	3.720	43	2456343	238.760	ug/l	99
24) 1,1-Dichloroethane	3.611	63	326948	46.380	ug/l	99
25) 2-Butanone	4.550	43	733992	228.728	ug/l	99
26) 2,2-Dichloropropane	4.470	77	287672	45.048	ug/l	99
27) cis-1,2-Dichloroethene	4.483	96	203083	47.399	ug/l	96
28) Bromochloromethane	4.891	49	141698	45.060	ug/l	89
29) Tetrahydrofuran	5.001	42	447610	228.648	ug/l	99
30) Chloroform	5.092	83	324047	47.872	ug/l	99
31) Cyclohexane	5.464	56	296402	46.176	ug/l	96
32) 1,1,1-Trichloroethane	5.379	97	284940	46.958	ug/l	99
36) 1,1-Dichloropropene	5.690	75	243772	48.803	ug/l	97
37) Ethyl Acetate	4.708	43	271978	48.720	ug/l	99
38) Carbon Tetrachloride	5.671	117	248244	48.297	ug/l	97
39) Methylcyclohexane	7.378	83	307577	47.849	ug/l	99
40) Benzene	6.037	78	727054	49.117	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.915	41	155173	49.890	ug/l	99
42) 1,2-Dichloroethane	6.086	62	250775	48.169	ug/l	99
43) Isopropyl Acetate	6.336	43	468817	47.590	ug/l	99
44) Trichloroethene	7.122	130	189534	49.895	ug/l	94
45) 1,2-Dichloropropane	7.427	63	195164	49.527	ug/l	97
46) Dibromomethane	7.580	93	126579	48.808	ug/l	88
47) Bromodichloromethane	7.817	83	257693	48.419	ug/l	100
48) Methyl methacrylate	7.689	41	221480	47.369	ug/l	98
49) 1,4-Dioxane	7.653	88	86971	932.551	ug/l #	98
51) 4-Methyl-2-Pentanone	8.573	43	1405484	259.320	ug/l	99
52) Toluene	8.720	92	464627	51.802	ug/l	98
53) t-1,3-Dichloropropene	8.976	75	303482	49.539	ug/l	100
54) cis-1,3-Dichloropropene	8.366	75	317841	48.463	ug/l	98
55) 1,1,2-Trichloroethane	9.152	97	188774	52.142	ug/l	99
56) Ethyl methacrylate	9.116	69	312586	51.038	ug/l	96
57) 1,3-Dichloropropane	9.305	76	321036	50.967	ug/l	98
58) 2-Chloroethyl Vinyl ether	8.238	63	679818	256.238	ug/l	95
59) 2-Hexanone	9.427	43	1095668	265.262	ug/l	98
60) Dibromochloromethane	9.518	129	207759	51.936	ug/l	100
61) 1,2-Dibromoethane	9.610	107	198287	51.787	ug/l	98
64) Tetrachloroethene	9.274	164	162170	48.032	ug/l	96
65) Chlorobenzene	10.079	112	496287	49.769	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.164	131	189910	49.195	ug/l	98
67) Ethyl Benzene	10.195	91	901782	50.337	ug/l	99
68) m/p-Xylenes	10.299	106	707927	103.260	ug/l	95
69) o-Xylene	10.640	106	349279	51.175	ug/l	95
70) Styrene	10.652	104	587771	52.951	ug/l	96
71) Bromoform	10.798	173	158740	50.377	ug/l #	100
73) Isopropylbenzene	10.963	105	915217	49.132	ug/l	99
74) N-amyl acetate	10.841	43	446694	47.732	ug/l	96
75) 1,1,2,2-Tetrachloroethane	11.213	83	304532	47.799	ug/l	99
76) 1,2,3-Trichloropropane	11.237	75	246934m	40.151	ug/l	
77) Bromobenzene	11.195	156	219767	49.025	ug/l	84
78) n-propylbenzene	11.304	91	1092605	50.434	ug/l	97
79) 2-Chlorotoluene	11.365	91	656540	49.423	ug/l	96
80) 1,3,5-Trimethylbenzene	11.451	105	783816	50.048	ug/l	97
81) trans-1,4-Dichloro-2-b...	11.018	75	107621	44.953	ug/l	94
82) 4-Chlorotoluene	11.457	91	767079	50.699	ug/l	95
83) tert-Butylbenzene	11.713	119	795504	49.596	ug/l	94
84) 1,2,4-Trimethylbenzene	11.749	105	787875	49.755	ug/l	98
85) sec-Butylbenzene	11.890	105	995202	51.093	ug/l	98
86) p-Isopropyltoluene	12.012	119	828276	51.381	ug/l	96
87) 1,3-Dichlorobenzene	11.969	146	426287	50.706	ug/l	97
88) 1,4-Dichlorobenzene	12.042	146	426950	50.350	ug/l	97
89) n-Butylbenzene	12.335	91	762001	53.072	ug/l	98
90) Hexachloroethane	12.536	117	163975	48.650	ug/l	80
91) 1,2-Dichlorobenzene	12.335	146	415272	50.486	ug/l	96
92) 1,2-Dibromo-3-Chloropr...	12.944	75	66464	43.747	ug/l	77
93) 1,2,4-Trichlorobenzene	13.585	180	264185	50.027	ug/l	97
94) Hexachlorobutadiene	13.725	225	111834	51.084	ug/l	98
95) Naphthalene	13.774	128	860459	48.368	ug/l	100
96) 1,2,3-Trichlorobenzene	13.963	180	260744	49.734	ug/l	98

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

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