

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX030223\
 Data File : VX034296.D
 Acq On : 02 Mar 2023 09:42
 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 03/03/2023
 Supervised By : Mahesh Dadoda 03/03/2023

Quant Time: Mar 03 00:18:57 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	5.550	168	299558	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	505599	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	476869	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	245334	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	199822	49.530	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	99.060%		
35) Dibromofluoromethane	5.385	113	163800	49.758	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	99.520%		
50) Toluene-d8	8.647	98	595352	50.372	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	100.740%		
62) 4-Bromofluorobenzene	11.079	95	250623	55.436	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	110.880%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.166	85	127495	49.254	ug/l	100
3) Chloromethane	1.301	50	188232	50.532	ug/l	97
4) Vinyl Chloride	1.374	62	180395	53.176	ug/l	98
5) Bromomethane	1.599	94	93844	76.461	ug/l	100
6) Chloroethane	1.685	64	104622	61.345	ug/l	99
7) Trichlorofluoromethane	1.886	101	262516	57.199	ug/l	98
8) Diethyl Ether	2.130	74	105939	57.295	ug/l	97
9) 1,1,2-Trichlorotrifluo...	2.331	101	146350	45.279	ug/l	95
10) Methyl Iodide	2.453	142	191678	48.706	ug/l	94
11) Tert butyl alcohol	2.953	59	206258	228.583	ug/l #	84
12) 1,1-Dichloroethene	2.319	96	143768	44.372	ug/l	93
13) Acrolein	2.233	56	121204	294.258	ug/l	99
14) Allyl chloride	2.660	41	306097	44.537	ug/l	90
15) Acrylonitrile	3.062	53	499534	253.769	ug/l	99
16) Acetone	2.374	43	490517	235.700	ug/l	93
17) Carbon Disulfide	2.508	76	411240	44.146	ug/l	100
18) Methyl Acetate	2.703	43	322077	50.016	ug/l	100
19) Methyl tert-butyl Ether	3.111	73	576232	50.390	ug/l	97
20) Methylene Chloride	2.788	84	181338	48.360	ug/l	98
21) trans-1,2-Dichloroethene	3.087	96	167171	49.239	ug/l	94
22) Diisopropyl ether	3.757	45	645921	53.607	ug/l	93
23) Vinyl Acetate	3.721	43	2561946	265.385	ug/l	99
24) 1,1-Dichloroethane	3.605	63	324364	49.036	ug/l	99
25) 2-Butanone	4.550	43	756504	251.231	ug/l	98
26) 2,2-Dichloropropane	4.471	77	271289	45.273	ug/l	99
27) cis-1,2-Dichloroethene	4.483	96	204043	50.752	ug/l	96
28) Bromochloromethane	4.891	49	150483	50.997	ug/l	87
29) Tetrahydrofuran	4.995	42	471155	256.487	ug/l	99
30) Chloroform	5.093	83	327737	51.598	ug/l	98
31) Cyclohexane	5.471	56	284209	47.185	ug/l	96
32) 1,1,1-Trichloroethane	5.379	97	274192	48.155	ug/l	99
36) 1,1-Dichloropropene	5.690	75	233326	47.926	ug/l	98
37) Ethyl Acetate	4.709	43	286567	52.668	ug/l	99
38) Carbon Tetrachloride	5.672	117	233051	46.520	ug/l	99
39) Methylcyclohexane	7.379	83	292224	46.643	ug/l	99
40) Benzene	6.038	78	723382	50.139	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.916	41	158086	52.148	ug/l	99
42) 1,2-Dichloroethane	6.080	62	267423	52.702	ug/l	98
43) Isopropyl Acetate	6.336	43	489974	51.031	ug/l	99
44) Trichloroethene	7.123	130	184079	49.719	ug/l	93
45) 1,2-Dichloropropane	7.428	63	196035	51.041	ug/l	98
46) Dibromomethane	7.580	93	132131	52.274	ug/l	88
47) Bromodichloromethane	7.818	83	265747	51.230	ug/l	99
48) Methyl methacrylate	7.690	41	232811	51.086	ug/l	97
49) 1,4-Dioxane	7.653	88	95904	1055.071	ug/l #	100
51) 4-Methyl-2-Pentanone	8.568	43	1463676	277.078	ug/l	99
52) Toluene	8.714	92	460060	52.626	ug/l	98
53) t-1,3-Dichloropropene	8.976	75	316172	52.952	ug/l	100
54) cis-1,3-Dichloropropene	8.360	75	328285	51.357	ug/l	96
55) 1,1,2-Trichloroethane	9.147	97	194938	55.245	ug/l	99
56) Ethyl methacrylate	9.116	69	322641	54.050	ug/l	95
57) 1,3-Dichloropropane	9.305	76	332513	54.161	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.238	63	671744	259.777	ug/l	95
59) 2-Hexanone	9.427	43	1131319	281.014	ug/l	98
60) Dibromochloromethane	9.519	129	215295	55.219	ug/l	99
61) 1,2-Dibromoethane	9.610	107	208942	55.988	ug/l	99
64) Tetrachloroethene	9.275	164	155376	46.165	ug/l	95
65) Chlorobenzene	10.080	112	500435	50.344	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.159	131	191663	49.807	ug/l	98
67) Ethyl Benzene	10.195	91	894634	50.096	ug/l	99
68) m/p-Xylenes	10.299	106	689884	100.947	ug/l	95
69) o-Xylene	10.640	106	345594	50.795	ug/l	93
70) Styrene	10.653	104	582199	52.614	ug/l	95
71) Bromoform	10.799	173	162530	51.743	ug/l #	100
73) Isopropylbenzene	10.964	105	879480	47.037	ug/l	100
74) N-amyl acetate	10.842	43	465620	49.569	ug/l	97
75) 1,1,2,2-Tetrachloroethane	11.213	83	311700	48.741	ug/l	99
76) 1,2,3-Trichloropropane	11.238	75	265554m	43.017	ug/l	
77) Bromobenzene	11.195	156	219353	48.750	ug/l	82
78) n-propylbenzene	11.305	91	1045186	48.064	ug/l	97
79) 2-Chlorotoluene	11.366	91	643964	48.295	ug/l	95
80) 1,3,5-Trimethylbenzene	11.451	105	755043	48.031	ug/l	97
81) trans-1,4-Dichloro-2-b...	11.018	75	112890	46.977	ug/l	93
82) 4-Chlorotoluene	11.451	91	749978	49.383	ug/l	94
83) tert-Butylbenzene	11.713	119	744413	46.237	ug/l	92
84) 1,2,4-Trimethylbenzene	11.750	105	768626	48.358	ug/l	96
85) sec-Butylbenzene	11.890	105	925997	47.362	ug/l	98
86) p-Isopropyltoluene	12.006	119	779319	48.163	ug/l	96
87) 1,3-Dichlorobenzene	11.969	146	416275	49.330	ug/l	97
88) 1,4-Dichlorobenzene	12.043	146	417854	49.093	ug/l	96
89) n-Butylbenzene	12.335	91	696282	48.314	ug/l	98
90) Hexachloroethane	12.536	117	153444	45.355	ug/l	80
91) 1,2-Dichlorobenzene	12.335	146	402225	48.717	ug/l	97
92) 1,2-Dibromo-3-Chloropr...	12.945	75	70231	46.053	ug/l	75
93) 1,2,4-Trichlorobenzene	13.585	180	255488	48.199	ug/l	97
94) Hexachlorobutadiene	13.725	225	99552	45.304	ug/l	98
95) Naphthalene	13.774	128	860702	48.201	ug/l	100
96) 1,2,3-Trichlorobenzene	13.963	180	253238	48.121	ug/l	98

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

