

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX062323\
 Data File : VX036299.D
 Acq On : 23 Jun 2023 18:56
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

Reviewed By : John Carlone 06/24/2023
 Supervised By : Mahesh Dadoda 06/26/2023

Quant Time: Jun 24 04:13:43 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X062323W.M
 Quant Title : SW846 8260
 QLast Update : Fri Jun 23 15:03:28 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.556	168	215663	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	6.763	114	376860	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	340781	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	162014	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	161107	52.115	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 104.220%			
35) Dibromofluoromethane	5.385	113	129162	51.979	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 103.960%			
50) Toluene-d8	8.647	98	466117	50.222	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 100.440%			
62) 4-Bromofluorobenzene	11.079	95	168700	51.604	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 103.200%			
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.166	85	105480	51.662	ug/l	97
3) Chloromethane	1.294	50	176197	49.747	ug/l	99
4) Vinyl Chloride	1.374	62	195306	50.438	ug/l	100
5) Bromomethane	1.618	94	137724	48.608	ug/l	99
6) Chloroethane	1.691	64	136520	48.025	ug/l	98
7) Trichlorofluoromethane	1.886	101	303474	51.550	ug/l	98
8) Diethyl Ether	2.136	74	115688	50.906	ug/l	90
9) 1,1,2-Trichlorotrifluo...	2.331	101	128263	51.913	ug/l	97
10) Methyl Iodide	2.453	142	158216	52.848	ug/l	93
11) Tert butyl alcohol	3.026	59	153324	272.470	ug/l	# 95
12) 1,1-Dichloroethene	2.319	96	124484	50.790	ug/l	91
13) Acrolein	2.245	56	178167	230.543	ug/l	100
14) Allyl chloride	2.666	41	213882	53.697	ug/l	98
15) Acrylonitrile	3.075	53	381923	267.766	ug/l	100
16) Acetone	2.404	43	325824	246.585	ug/l	95
17) Carbon Disulfide	2.514	76	300160	49.865	ug/l	100
18) Methyl Acetate	2.709	43	293382	53.993	ug/l	97
19) Methyl tert-butyl Ether	3.111	73	425736	53.749	ug/l	99
20) Methylene Chloride	2.788	84	138898	48.821	ug/l	97
21) trans-1,2-Dichloroethene	3.093	96	128443	49.110	ug/l	94
22) Diisopropyl ether	3.757	45	423626	53.077	ug/l	97
23) Vinyl Acetate	3.721	43	1578218	272.480	ug/l	99
24) 1,1-Dichloroethane	3.611	63	248759	52.886	ug/l	100
25) 2-Butanone	4.568	43	515231	271.388	ug/l	96
26) 2,2-Dichloropropane	4.477	77	181725	54.474	ug/l	98
27) cis-1,2-Dichloroethene	4.489	96	149447	50.951	ug/l	96
28) Bromochloromethane	4.897	49	120504	49.398	ug/l	93
29) Tetrahydrofuran	5.013	42	322529	266.838	ug/l	94
30) Chloroform	5.093	83	243697	51.439	ug/l	95
31) Cyclohexane	5.471	56	205788	51.946	ug/l	98
32) 1,1,1-Trichloroethane	5.385	97	214711	54.256	ug/l	99
36) 1,1-Dichloropropene	5.690	75	182639	49.308	ug/l	98
37) Ethyl Acetate	4.715	43	200270	53.048	ug/l	99
38) Carbon Tetrachloride	5.678	117	181235	53.572	ug/l	97
39) Methylcyclohexane	7.379	83	225688	50.870	ug/l	95
40) Benzene	6.037	78	530483	51.268	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.916	41	110543	52.783	ug/l	96
42) 1,2-Dichloroethane	6.086	62	205217	52.143	ug/l	99
43) Isopropyl Acetate	6.342	43	318942	52.958	ug/l	97
44) Trichloroethene	7.123	130	141187	49.057	ug/l	100
45) 1,2-Dichloropropane	7.434	63	147357	52.290	ug/l	99
46) Dibromomethane	7.580	93	101532	51.183	ug/l	95
47) Bromodichloromethane	7.824	83	190343	53.060	ug/l	98
48) Methyl methacrylate	7.696	41	161457	53.768	ug/l	94
49) 1,4-Dioxane	7.732	88	69950	1050.785	ug/l #	94
51) 4-Methyl-2-Pentanone	8.574	43	1038919	267.755	ug/l	98
52) Toluene	8.720	92	326342	49.766	ug/l	95
53) t-1,3-Dichloropropene	8.976	75	199475	55.048	ug/l	99
54) cis-1,3-Dichloropropene	8.366	75	223259	54.502	ug/l	94
55) 1,1,2-Trichloroethane	9.153	97	138600	50.857	ug/l	96
56) Ethyl methacrylate	9.116	69	217779	53.426	ug/l	96
57) 1,3-Dichloropropane	9.305	76	237334	50.814	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.244	63	618649	270.054	ug/l	97
59) 2-Hexanone	9.433	43	777435	274.376	ug/l	97
60) Dibromochloromethane	9.519	129	137877	52.071	ug/l	98
61) 1,2-Dibromoethane	9.610	107	145856	50.431	ug/l	100
64) Tetrachloroethene	9.275	164	117647	48.893	ug/l	97
65) Chlorobenzene	10.079	112	358678	50.069	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.165	131	130299	53.812	ug/l	98
67) Ethyl Benzene	10.195	91	641892	50.401	ug/l	98
68) m/p-Xylenes	10.299	106	494419	99.923	ug/l	97
69) o-Xylene	10.640	106	244878	51.249	ug/l	98
70) Styrene	10.653	104	399345	51.044	ug/l	97
71) Bromoform	10.799	173	95495	54.984	ug/l #	98
73) Isopropylbenzene	10.963	105	622063	50.949	ug/l	98
74) N-amyl acetate	10.842	43	278201	57.606	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.213	83	213970	51.751	ug/l	99
76) 1,2,3-Trichloropropane	11.238	75	178400m	51.623	ug/l	
77) Bromobenzene	11.195	156	150535	50.142	ug/l	94
78) n-propylbenzene	11.305	91	729123	51.134	ug/l	99
79) 2-Chlorotoluene	11.366	91	426237	50.250	ug/l	98
80) 1,3,5-Trimethylbenzene	11.451	105	532944	51.542	ug/l	99
81) trans-1,4-Dichloro-2-b...	11.018	75	59710	56.322	ug/l	95
82) 4-Chlorotoluene	11.451	91	499609	50.592	ug/l	97
83) tert-Butylbenzene	11.713	119	512280	51.696	ug/l	98
84) 1,2,4-Trimethylbenzene	11.750	105	528849	51.698	ug/l	98
85) sec-Butylbenzene	11.890	105	646270	51.480	ug/l	99
86) p-Isopropyltoluene	12.006	119	545044	51.734	ug/l	98
87) 1,3-Dichlorobenzene	11.969	146	277668	50.304	ug/l	98
88) 1,4-Dichlorobenzene	12.043	146	282259	50.219	ug/l	99
89) n-Butylbenzene	12.329	91	497126	53.020	ug/l	98
90) Hexachloroethane	12.536	117	85139	53.355	ug/l	92
91) 1,2-Dichlorobenzene	12.335	146	281674	51.825	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	12.939	75	45334	57.726	ug/l	90
93) 1,2,4-Trichlorobenzene	13.585	180	173020	51.683	ug/l	97
94) Hexachlorobutadiene	13.725	225	68493	49.956	ug/l	100
95) Naphthalene	13.774	128	591292	53.464	ug/l	100
96) 1,2,3-Trichlorobenzene	13.957	180	171243	52.439	ug/l	98

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

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