

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX011423\
 Data File : VX033740.D
 Acq On : 13 Jan 2023 22:06
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

Reviewed By : John Carlone 01/16/2023
 Supervised By : Mahesh Dadoda 01/16/2023

Quant Time: Jan 16 05:40:25 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X011123W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jan 11 14:48:42 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.550	168	132439	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	199294	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	197174	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	113264	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	84054	60.277	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 120.560%#			
35) Dibromofluoromethane	5.385	113	65539	52.961	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 105.920%			
50) Toluene-d8	8.647	98	252136	55.920	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 111.840%			
62) 4-Bromofluorobenzene	11.079	95	100722	60.166	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 120.340%			
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.166	85	49220	47.028	ug/l	97
3) Chloromethane	1.294	50	61347	53.066	ug/l	100
4) Vinyl Chloride	1.374	62	62471	55.682	ug/l	99
5) Bromomethane	1.617	94	45378	70.395	ug/l	97
6) Chloroethane	1.691	64	47334	68.242	ug/l	99
7) Trichlorofluoromethane	1.886	101	117276	64.457	ug/l	98
8) Diethyl Ether	2.130	74	43892	73.677	ug/l	97
9) 1,1,2-Trichlorotrifluo...	2.331	101	56607	53.930	ug/l	100
10) Methyl Iodide	2.453	142	81694	55.534	ug/l	99
11) Tert butyl alcohol	3.032	59	67238m	277.563	ug/l	
12) 1,1-Dichloroethene	2.319	96	53595	49.734	ug/l	99
13) Acrolein	2.239	56	77753	347.874	ug/l	99
14) Allyl chloride	2.666	41	101227	49.804	ug/l	98
15) Acrylonitrile	3.068	53	163428	256.344	ug/l	98
16) Acetone	2.398	43	148844	295.990	ug/l	99
17) Carbon Disulfide	2.514	76	127490	46.866	ug/l	99
18) Methyl Acetate	2.709	43	103518	53.193	ug/l	98
19) Methyl tert-butyl Ether	3.111	73	205380	54.874	ug/l	99
20) Methylene Chloride	2.788	84	61686	50.922	ug/l	97
21) trans-1,2-Dichloroethene	3.093	96	60899	48.341	ug/l	92
22) Diisopropyl ether	3.757	45	229907	56.220	ug/l	95
23) Vinyl Acetate	3.721	43	916055	297.565	ug/l	99
24) 1,1-Dichloroethane	3.611	63	112427	50.250	ug/l	99
25) 2-Butanone	4.568	43	245252	269.176	ug/l	99
26) 2,2-Dichloropropane	4.477	77	82611	51.547	ug/l	98
27) cis-1,2-Dichloroethene	4.489	96	72124	49.798	ug/l	95
28) Bromochloromethane	4.897	49	55066	54.032	ug/l	94
29) Tetrahydrofuran	5.013	42	164060	285.696	ug/l	98
30) Chloroform	5.092	83	126325	55.126	ug/l	99
31) Cyclohexane	5.470	56	105482	51.406	ug/l	98
32) 1,1,1-Trichloroethane	5.385	97	109191	55.809	ug/l	97
36) 1,1-Dichloropropene	5.690	75	90233	49.960	ug/l	98
37) Ethyl Acetate	4.714	43	103230	60.502	ug/l	97
38) Carbon Tetrachloride	5.678	117	98060	52.422	ug/l	97
39) Methylcyclohexane	7.385	83	109011	48.875	ug/l	98
40) Benzene	6.037	78	259165	49.230	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.922	41	57294	57.566	ug/l	97
42) 1,2-Dichloroethane	6.086	62	109009	58.431	ug/l	95
43) Isopropyl Acetate	6.342	43	163606	57.380	ug/l	97
44) Trichloroethene	7.123	130	72237	49.071	ug/l	96
45) 1,2-Dichloropropane	7.427	63	68817	52.184	ug/l	98
46) Dibromomethane	7.580	93	49380	53.608	ug/l	94
47) Bromodichloromethane	7.818	83	98946	55.739	ug/l	99
48) Methyl methacrylate	7.690	41	85432	59.481	ug/l	91
49) 1,4-Dioxane	7.738	88	33887	1066.628	ug/l #	100
51) 4-Methyl-2-Pentanone	8.573	43	545296	311.404	ug/l	96
52) Toluene	8.720	92	182369	53.644	ug/l	99
53) t-1,3-Dichloropropene	8.976	75	105848	59.623	ug/l	97
54) cis-1,3-Dichloropropene	8.366	75	110977	55.790	ug/l	91
55) 1,1,2-Trichloroethane	9.153	97	74921	55.675	ug/l	99
56) Ethyl methacrylate	9.116	69	112329	59.313	ug/l #	89
57) 1,3-Dichloropropane	9.305	76	124434	57.026	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.244	63	260634	279.443	ug/l	97
59) 2-Hexanone	9.433	43	411221	337.403	ug/l	95
60) Dibromochloromethane	9.518	129	83308	59.714	ug/l	100
61) 1,2-Dibromoethane	9.610	107	81026	60.333	ug/l	99
64) Tetrachloroethene	9.275	164	68650	49.435	ug/l	98
65) Chlorobenzene	10.079	112	199923	48.978	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.165	131	76716	51.068	ug/l	100
67) Ethyl Benzene	10.195	91	365431	52.142	ug/l	99
68) m/p-Xylenes	10.299	106	290082	105.821	ug/l	96
69) o-Xylene	10.640	106	142414	52.387	ug/l	96
70) Styrene	10.652	104	237345	53.683	ug/l	97
71) Bromoform	10.799	173	64998	51.635	ug/l #	100
73) Isopropylbenzene	10.963	105	382863	51.442	ug/l	100
74) N-amyl acetate	10.841	43	162215	54.540	ug/l	96
75) 1,1,2,2-Tetrachloroethane	11.213	83	116773	53.847	ug/l	99
76) 1,2,3-Trichloropropane	11.238	75	107128m	51.478	ug/l	
77) Bromobenzene	11.195	156	98447	48.902	ug/l	94
78) n-propylbenzene	11.305	91	437006	47.283	ug/l	98
79) 2-Chlorotoluene	11.366	91	261495	52.523	ug/l	98
80) 1,3,5-Trimethylbenzene	11.451	105	327144	48.000	ug/l	98
81) trans-1,4-Dichloro-2-b...	11.018	75	32815	49.006	ug/l	94
82) 4-Chlorotoluene	11.451	91	306512	53.867	ug/l	98
83) tert-Butylbenzene	11.713	119	326694	48.277	ug/l	96
84) 1,2,4-Trimethylbenzene	11.750	105	322968	50.096	ug/l	98
85) sec-Butylbenzene	11.890	105	403962	49.909	ug/l	99
86) p-Isopropyltoluene	12.006	119	350741	50.614	ug/l	98
87) 1,3-Dichlorobenzene	11.969	146	183426	47.928	ug/l	99
88) 1,4-Dichlorobenzene	12.042	146	183577	47.088	ug/l	98
89) n-Butylbenzene	12.329	91	295302	52.089	ug/l	99
90) Hexachloroethane	12.536	117	55827	48.975	ug/l	95
91) 1,2-Dichlorobenzene	12.335	146	180027	48.748	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	12.945	75	25363	54.876	ug/l	86
93) 1,2,4-Trichlorobenzene	13.585	180	119419	48.005	ug/l	99
94) Hexachlorobutadiene	13.725	225	54354	44.605	ug/l	99
95) Naphthalene	13.774	128	353538	49.399	ug/l	99
96) 1,2,3-Trichlorobenzene	13.963	180	117926	47.376	ug/l	99

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

