

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX090723\
 Data File : VX037570.D
 Acq On : 07 Sep 2023 10:45
 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 09/08/2023
 Supervised By : Mahesh Dadoda 09/08/2023

Quant Time: Sep 08 00:40:44 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X081723W.M
 Quant Title : SW846 8260
 QLast Update : Fri Aug 18 09:30:38 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.550	168	114959	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	194864	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	185552	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	100351	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	86964	52.472	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 104.940%			
35) Dibromofluoromethane	5.385	113	79071	61.270	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 122.540%			
50) Toluene-d8	8.647	98	263077	56.198	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 112.400%#			
62) 4-Bromofluorobenzene	11.079	95	112483	61.143	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 122.280%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.166	85	60704	45.458	ug/l	98
3) Chloromethane	1.307	50	57936	49.591	ug/l	97
4) Vinyl Chloride	1.374	62	62406	49.075	ug/l	100
5) Bromomethane	1.599	94	27867	43.994	ug/l	98
6) Chloroethane	1.678	64	32321	43.192	ug/l	95
7) Trichlorofluoromethane	1.880	101	98208	47.146	ug/l	96
8) Diethyl Ether	2.136	74	45138	56.008	ug/l	74
9) 1,1,2-Trichlorotrifluo...	2.325	101	64273	52.890	ug/l	95
10) Methyl Iodide	2.447	142	77781	52.663	ug/l	93
11) Tert butyl alcohol	2.971	59	99438	255.773	ug/l #	92
12) 1,1-Dichloroethene	2.313	96	58947	49.812	ug/l	83
13) Acrolein	2.239	56	103691	350.595	ug/l	99
14) Allyl chloride	2.660	41	93687	51.148	ug/l #	86
15) Acrylonitrile	3.062	53	219483	316.298	ug/l	98
16) Acetone	2.380	43	184608	284.727	ug/l #	85
17) Carbon Disulfide	2.508	76	116359	38.656	ug/l	99
18) Methyl Acetate	2.703	43	140673	57.624	ug/l #	85
19) Methyl tert-butyl Ether	3.117	73	249370	55.562	ug/l	96
20) Methylene Chloride	2.788	84	79679	54.953	ug/l #	83
21) trans-1,2-Dichloroethene	3.087	96	66129	49.158	ug/l	84
22) Diisopropyl ether	3.763	45	207728	55.267	ug/l #	80
23) Vinyl Acetate	3.721	43	782992	271.843	ug/l #	89
24) 1,1-Dichloroethane	3.605	63	125984	53.450	ug/l	97
25) 2-Butanone	4.556	43	282734	289.613	ug/l #	87
26) 2,2-Dichloropropane	4.477	77	98560	46.822	ug/l	94
27) cis-1,2-Dichloroethene	4.483	96	86644	54.634	ug/l	85
28) Bromochloromethane	4.897	49	57805	54.899	ug/l #	71
29) Tetrahydrofuran	5.007	42	175459	281.825	ug/l #	81
30) Chloroform	5.093	83	141122	53.336	ug/l	100
31) Cyclohexane	5.464	56	88691	47.593	ug/l	85
32) 1,1,1-Trichloroethane	5.379	97	115914	48.887	ug/l	95
36) 1,1-Dichloropropene	5.690	75	88544	48.292	ug/l	96
37) Ethyl Acetate	4.715	43	104459	55.773	ug/l #	91
38) Carbon Tetrachloride	5.678	117	97612	49.010	ug/l	100
39) Methylcyclohexane	7.379	83	109028	56.598	ug/l	90
40) Benzene	6.037	78	289805	55.112	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.922	41	57527	59.084	ug/l #	85
42) 1,2-Dichloroethane	6.086	62	105558	51.188	ug/l	92
43) Isopropyl Acetate	6.342	43	164503	55.323	ug/l #	89
44) Trichloroethene	7.123	130	76969	51.620	ug/l	95
45) 1,2-Dichloropropane	7.427	63	76090	58.685	ug/l	99
46) Dibromomethane	7.580	93	58582	57.353	ug/l	93
47) Bromodichloromethane	7.824	83	110691	56.578	ug/l	96
48) Methyl methacrylate	7.696	41	80207	55.311	ug/l #	78
49) 1,4-Dioxane	7.659	88	49475	1266.827	ug/l #	86
51) 4-Methyl-2-Pentanone	8.574	43	544054	301.315	ug/l	88
52) Toluene	8.720	92	191809	55.207	ug/l	100
53) t-1,3-Dichloropropene	8.976	75	116257	55.809	ug/l	99
54) cis-1,3-Dichloropropene	8.366	75	127905	56.819	ug/l #	81
55) 1,1,2-Trichloroethane	9.153	97	88696	62.693	ug/l	98
56) Ethyl methacrylate	9.116	69	133537	60.260	ug/l #	80
57) 1,3-Dichloropropane	9.311	76	144558	60.613	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.244	63	291971	274.550	ug/l	91
59) 2-Hexanone	9.433	43	414881	301.353	ug/l	83
60) Dibromochloromethane	9.519	129	93406	62.011	ug/l	99
61) 1,2-Dibromoethane	9.610	107	93341	60.260	ug/l	100
64) Tetrachloroethene	9.275	164	62817	46.407	ug/l	98
65) Chlorobenzene	10.079	112	216023	55.084	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.165	131	85289	58.925	ug/l	99
67) Ethyl Benzene	10.195	91	366891	53.167	ug/l	96
68) m/p-Xylenes	10.299	106	289271	108.549	ug/l	97
69) o-Xylene	10.640	106	148254	56.387	ug/l	96
70) Styrene	10.652	104	251304	58.025	ug/l	96
71) Bromoform	10.799	173	68574	63.337	ug/l #	100
73) Isopropylbenzene	10.963	105	381743	52.336	ug/l	98
74) N-amyl acetate	10.841	43	145212	51.236	ug/l #	85
75) 1,1,2,2-Tetrachloroethane	11.213	83	144236	58.717	ug/l	99
76) 1,2,3-Trichloropropane	11.238	75	116089m	54.320	ug/l	
77) Bromobenzene	11.201	156	95878	53.822	ug/l	90
78) n-propylbenzene	11.305	91	429762	52.913	ug/l	98
79) 2-Chlorotoluene	11.366	91	271244	52.260	ug/l	97
80) 1,3,5-Trimethylbenzene	11.451	105	329906	54.221	ug/l	99
81) trans-1,4-Dichloro-2-b...	11.018	75	41052	53.651	ug/l #	85
82) 4-Chlorotoluene	11.451	91	309604	51.675	ug/l	98
83) tert-Butylbenzene	11.713	119	339315	58.475	ug/l	94
84) 1,2,4-Trimethylbenzene	11.750	105	334085	54.329	ug/l	96
85) sec-Butylbenzene	11.890	105	403261	59.497	ug/l	99
86) p-Isopropyltoluene	12.012	119	344661	59.071	ug/l	97
87) 1,3-Dichlorobenzene	11.969	146	180873	54.232	ug/l	99
88) 1,4-Dichlorobenzene	12.042	146	182496	52.963	ug/l	98
89) n-Butylbenzene	12.329	91	287097	59.349	ug/l	99
90) Hexachloroethane	12.542	117	59600	61.199	ug/l	89
91) 1,2-Dichlorobenzene	12.335	146	183844	56.293	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	12.945	75	30744	53.864	ug/l	75
93) 1,2,4-Trichlorobenzene	13.585	180	110979	58.077	ug/l	97
94) Hexachlorobutadiene	13.725	225	48139	65.209	ug/l	99
95) Naphthalene	13.774	128	408538	48.806	ug/l	100
96) 1,2,3-Trichlorobenzene	13.963	180	114985	60.566	ug/l	99

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

