

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX090523\
 Data File : VX037501.D
 Acq On : 05 Sep 2023 10:31
 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 09/06/2023
 Supervised By : Mahesh Dadoda 09/06/2023

Quant Time: Sep 06 02:48:35 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	136119	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	224643	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	214695	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	115129	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	91861	46.811	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 93.620%			
35) Dibromofluoromethane	5.385	113	81387	54.704	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 109.400%			
50) Toluene-d8	8.647	98	283243	52.485	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 104.960%			
62) 4-Bromofluorobenzene	11.079	95	120512	56.824	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 113.640%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.166	85	77446	48.980	ug/l	99
3) Chloromethane	1.301	50	72581	52.469	ug/l	96
4) Vinyl Chloride	1.374	62	76766	50.983	ug/l	98
5) Bromomethane	1.593	94	33235	44.312	ug/l	99
6) Chloroethane	1.672	64	41335	46.651	ug/l	98
7) Trichlorofluoromethane	1.880	101	121077	49.089	ug/l	99
8) Diethyl Ether	2.130	74	49779	52.165	ug/l	75
9) 1,1,2-Trichlorotrifluo...	2.325	101	75934	52.772	ug/l	96
10) Methyl Iodide	2.447	142	87814	50.213	ug/l	93
11) Tert butyl alcohol	2.965	59	105385	228.932	ug/l #	93
12) 1,1-Dichloroethene	2.313	96	69013	49.252	ug/l	84
13) Acrolein	2.233	56	80508	229.894	ug/l	96
14) Allyl chloride	2.660	41	108329	49.948	ug/l #	87
15) Acrylonitrile	3.062	53	228034	277.536	ug/l	99
16) Acetone	2.380	43	227120	295.841	ug/l #	85
17) Carbon Disulfide	2.508	76	154264	43.282	ug/l	100
18) Methyl Acetate	2.703	43	150623	52.108	ug/l #	87
19) Methyl tert-butyl Ether	3.111	73	274132	51.584	ug/l	97
20) Methylene Chloride	2.788	84	86836	50.579	ug/l #	84
21) trans-1,2-Dichloroethene	3.087	96	75862	47.627	ug/l	85
22) Diisopropyl ether	3.757	45	230370	51.763	ug/l #	85
23) Vinyl Acetate	3.715	43	877402	257.267	ug/l #	90
24) 1,1-Dichloroethane	3.605	63	140634	50.391	ug/l	96
25) 2-Butanone	4.550	43	310045	268.219	ug/l #	84
26) 2,2-Dichloropropane	4.471	77	124409	49.915	ug/l	96
27) cis-1,2-Dichloroethene	4.483	96	95413	50.811	ug/l	87
28) Bromochloromethane	4.897	49	62767	50.345	ug/l #	75
29) Tetrahydrofuran	5.001	42	184375	250.109	ug/l #	82
30) Chloroform	5.086	83	157975	50.424	ug/l	98
31) Cyclohexane	5.464	56	111989	50.753	ug/l	87
32) 1,1,1-Trichloroethane	5.379	97	138146	49.206	ug/l	95
36) 1,1-Dichloropropene	5.690	75	105734	50.023	ug/l	96
37) Ethyl Acetate	4.708	43	111047	51.431	ug/l #	92
38) Carbon Tetrachloride	5.672	117	119626	52.101	ug/l	98
39) Methylcyclohexane	7.379	83	135959	61.222	ug/l	90
40) Benzene	6.031	78	326294	53.825	ug/l	97

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.910	41	61077	54.414	ug/l #	85
42) 1,2-Dichloroethane	6.086	62	118190	49.716	ug/l	92
43) Isopropyl Acetate	6.336	43	182306	53.183	ug/l #	89
44) Trichloroethene	7.123	130	88159	51.287	ug/l	98
45) 1,2-Dichloropropane	7.427	63	84119	56.277	ug/l	98
46) Dibromomethane	7.580	93	64494	54.771	ug/l	92
47) Bromodichloromethane	7.818	83	122489	54.309	ug/l	98
48) Methyl methacrylate	7.690	41	88559	52.975	ug/l #	81
49) 1,4-Dioxane	7.659	88	47718	1059.869	ug/l #	87
51) 4-Methyl-2-Pentanone	8.574	43	576425	276.924	ug/l	88
52) Toluene	8.720	92	216240	53.988	ug/l	99
53) t-1,3-Dichloropropene	8.976	75	135030	56.228	ug/l	100
54) cis-1,3-Dichloropropene	8.366	75	145460	56.051	ug/l #	83
55) 1,1,2-Trichloroethane	9.153	97	96478	59.154	ug/l	98
56) Ethyl methacrylate	9.116	69	146861	57.487	ug/l #	81
57) 1,3-Dichloropropane	9.305	76	154917	56.345	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.238	63	321759	262.453	ug/l	92
59) 2-Hexanone	9.427	43	451004	284.166	ug/l	84
60) Dibromochloromethane	9.519	129	101531	58.469	ug/l	100
61) 1,2-Dibromoethane	9.610	107	100585	56.328	ug/l	99
64) Tetrachloroethene	9.275	164	72364	46.203	ug/l	99
65) Chlorobenzene	10.079	112	241172	53.149	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.165	131	92736	55.373	ug/l	99
67) Ethyl Benzene	10.195	91	419610	52.553	ug/l	99
68) m/p-Xylenes	10.299	106	334719	108.554	ug/l	95
69) o-Xylene	10.640	106	164927	54.214	ug/l	98
70) Styrene	10.652	104	281297	56.134	ug/l	96
71) Bromoform	10.799	173	76631	61.171	ug/l #	98
73) Isopropylbenzene	10.963	105	434178	51.884	ug/l	98
74) N-amyl acetate	10.841	43	162486	49.972	ug/l #	87
75) 1,1,2,2-Tetrachloroethane	11.213	83	153290	54.393	ug/l	99
76) 1,2,3-Trichloropropane	11.238	75	127553m	52.023	ug/l	
77) Bromobenzene	11.195	156	106610	52.165	ug/l	91
78) n-propylbenzene	11.305	91	497958	53.440	ug/l	98
79) 2-Chlorotoluene	11.366	91	306443	51.463	ug/l	98
80) 1,3,5-Trimethylbenzene	11.451	105	379353	54.344	ug/l	99
81) trans-1,4-Dichloro-2-b...	11.018	75	48899	55.703	ug/l #	83
82) 4-Chlorotoluene	11.451	91	351657	51.160	ug/l	97
83) tert-Butylbenzene	11.713	119	382426	57.445	ug/l	95
84) 1,2,4-Trimethylbenzene	11.750	105	381642	54.096	ug/l	97
85) sec-Butylbenzene	11.890	105	473501	60.893	ug/l	99
86) p-Isopropyltoluene	12.006	119	401898	60.039	ug/l	97
87) 1,3-Dichlorobenzene	11.969	146	204819	53.529	ug/l	99
88) 1,4-Dichlorobenzene	12.042	146	205344	51.944	ug/l	99
89) n-Butylbenzene	12.329	91	341954	61.615	ug/l	98
90) Hexachloroethane	12.536	117	72700	65.069	ug/l	93
91) 1,2-Dichlorobenzene	12.335	146	204002	54.447	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	12.945	75	34617	52.864	ug/l	78
93) 1,2,4-Trichlorobenzene	13.585	180	127073	57.963	ug/l	98
94) Hexachlorobutadiene	13.725	225	57457	67.841	ug/l	98
95) Naphthalene	13.774	128	454474	47.325	ug/l	99
96) 1,2,3-Trichlorobenzene	13.963	180	127716	58.637	ug/l	99

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

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