

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX042823\
 Data File : VX035409.D
 Acq On : 28 Apr 2023 22:40
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 33 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Quant Time: Apr 29 02:00:37 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X042523W.M
 Quant Title : SW846 8260
 QLast Update : Tue Apr 25 16:31:40 2023
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : John Carlone 04/29/2023
 Supervised By : Mahesh Dadoda 05/01/2023

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

Internal Standards						
1) Pentafluorobenzene	5.549	168	261409	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	410119	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	361914	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	180209	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	151230	47.953	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	95.900%		
35) Dibromofluoromethane	5.385	113	128740	51.144	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	102.280%		
50) Toluene-d8	8.646	98	468720	49.361	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	98.720%		
62) 4-Bromofluorobenzene	11.079	95	180634	50.568	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	101.140%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.166	85	131186	47.428	ug/l	98
3) Chloromethane	1.294	50	108294	43.038	ug/l	99
4) Vinyl Chloride	1.373	62	115295	45.684	ug/l	97
5) Bromomethane	1.617	94	74305	44.298	ug/l	100
6) Chloroethane	1.690	64	65242	44.201	ug/l	98
7) Trichlorofluoromethane	1.892	101	185853	47.092	ug/l	100
8) Diethyl Ether	2.129	74	65160	45.283	ug/l	93
9) 1,1,2-Trichlorotrifluo...	2.330	101	119405	45.299	ug/l	95
10) Methyl Iodide	2.452	142	150259	45.167	ug/l	98
11) Tert butyl alcohol	3.019	59	127168m	221.457	ug/l	
12) 1,1-Dichloroethene	2.318	96	117877	46.428	ug/l	98
13) Acrolein	2.239	56	142570	252.462	ug/l	98
14) Allyl chloride	2.666	41	201451	45.087	ug/l	97
15) Acrylonitrile	3.068	53	321462	223.825	ug/l	99
16) Acetone	2.398	43	271516	198.227	ug/l	99
17) Carbon Disulfide	2.513	76	269910	44.346	ug/l	100
18) Methyl Acetate	2.702	43	243295	45.933	ug/l	96
19) Methyl tert-butyl Ether	3.111	73	417541	47.936	ug/l	98
20) Methylene Chloride	2.788	84	135182	43.042	ug/l	92
21) trans-1,2-Dichloroethene	3.093	96	126080	45.723	ug/l	96
22) Diisopropyl ether	3.757	45	407205	46.055	ug/l	93
23) Vinyl Acetate	3.720	43	1439232	236.814	ug/l	97
24) 1,1-Dichloroethane	3.611	63	233055	46.796	ug/l	98
25) 2-Butanone	4.562	43	426574	213.367	ug/l	94
26) 2,2-Dichloropropane	4.476	77	170562	43.714	ug/l	98
27) cis-1,2-Dichloroethene	4.489	96	148719	45.883	ug/l	94
28) Bromochloromethane	4.897	49	103566	48.798	ug/l	85
29) Tetrahydrofuran	5.013	42	278829	217.561	ug/l	94
30) Chloroform	5.092	83	240982	47.932	ug/l	99
31) Cyclohexane	5.470	56	203559	45.501	ug/l	96
32) 1,1,1-Trichloroethane	5.379	97	210849	47.854	ug/l	96
36) 1,1-Dichloropropene	5.696	75	179239	45.602	ug/l	98
37) Ethyl Acetate	4.714	43	169741	47.284	ug/l	96
38) Carbon Tetrachloride	5.677	117	182478	48.906	ug/l	99
39) Methylcyclohexane	7.378	83	210329	43.962	ug/l	98
40) Benzene	6.037	78	520871	46.196	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.915	41	98694	47.980	ug/l	97
42) 1,2-Dichloroethane	6.086	62	189085	47.034	ug/l	97
43) Isopropyl Acetate	6.336	43	283279	46.963	ug/l	95
44) Trichloroethene	7.128	130	146603	47.199	ug/l	94
45) 1,2-Dichloropropane	7.427	63	133768	47.058	ug/l	99
46) Dibromomethane	7.580	93	91228	46.734	ug/l	92
47) Bromodichloromethane	7.817	83	179393	49.879	ug/l	99
48) Methyl methacrylate	7.689	41	141770	47.913	ug/l	92
49) 1,4-Dioxane	7.708	88	27251	377.837	ug/l #	27
51) 4-Methyl-2-Pentanone	8.573	43	848401	228.934	ug/l	96
52) Toluene	8.720	92	331482	46.381	ug/l	99
53) t-1,3-Dichloropropene	8.976	75	191785	51.061	ug/l	99
54) cis-1,3-Dichloropropene	8.366	75	213409	50.268	ug/l	91
55) 1,1,2-Trichloroethane	9.152	97	133941	47.011	ug/l	97
56) Ethyl methacrylate	9.116	69	208226	49.061	ug/l #	89
57) 1,3-Dichloropropane	9.305	76	227290	46.640	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.244	63	528861	249.204	ug/l	95
59) 2-Hexanone	9.433	43	627344	225.337	ug/l	93
60) Dibromochloromethane	9.518	129	138973	50.910	ug/l	100
61) 1,2-Dibromoethane	9.610	107	139744	47.578	ug/l	98
64) Tetrachloroethene	9.274	164	126107	45.508	ug/l	100
65) Chlorobenzene	10.079	112	361421	46.158	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.164	131	135256	49.634	ug/l	98
67) Ethyl Benzene	10.195	91	642088	47.352	ug/l	99
68) m/p-Xylenes	10.299	106	492662	94.817	ug/l	99
69) o-Xylene	10.640	106	242638	47.622	ug/l	100
70) Styrene	10.652	104	405196	49.048	ug/l	98
71) Bromoform	10.798	173	97737	51.563	ug/l #	100
73) Isopropylbenzene	10.963	105	636508	48.319	ug/l	100
74) N-amyl acetate	10.841	43	246792	49.852	ug/l	94
75) 1,1,2,2-Tetrachloroethane	11.213	83	194150	47.484	ug/l	99
76) 1,2,3-Trichloropropane	11.237	75	156760m	43.608	ug/l	
77) Bromobenzene	11.195	156	156842	47.898	ug/l	91
78) n-propylbenzene	11.304	91	720099	47.597	ug/l	99
79) 2-Chlorotoluene	11.365	91	439515	46.490	ug/l	97
80) 1,3,5-Trimethylbenzene	11.451	105	536076	48.263	ug/l	99
81) trans-1,4-Dichloro-2-b...	11.018	75	51651	46.537	ug/l	97
82) 4-Chlorotoluene	11.451	91	503605	47.429	ug/l	98
83) tert-Butylbenzene	11.713	119	529414	47.503	ug/l	98
84) 1,2,4-Trimethylbenzene	11.750	105	538499	48.251	ug/l	99
85) sec-Butylbenzene	11.890	105	630808	46.144	ug/l	100
86) p-Isopropyltoluene	12.006	119	544835	46.861	ug/l	98
87) 1,3-Dichlorobenzene	11.969	146	289660	46.547	ug/l	99
88) 1,4-Dichlorobenzene	12.042	146	297499	45.596	ug/l	99
89) n-Butylbenzene	12.329	91	442847	45.120	ug/l	99
90) Hexachloroethane	12.536	117	88385	49.660	ug/l	89
91) 1,2-Dichlorobenzene	12.335	146	288633	46.374	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	12.944	75	41145	50.185	ug/l	86
93) 1,2,4-Trichlorobenzene	13.585	180	183427	46.886	ug/l	99
94) Hexachlorobutadiene	13.725	225	74098	43.156	ug/l	98
95) Naphthalene	13.774	128	602766	50.048	ug/l	100
96) 1,2,3-Trichlorobenzene	13.963	180	181977	46.207	ug/l	98

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

