

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX111323\
 Data File : VX038769.D
 Acq On : 13 Nov 2023 10:26
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

Reviewed By : John Carlone 11/14/2023
 Supervised By : Mahesh Dadoda 11/15/2023

Quant Time: Nov 14 05:29:48 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X110723W.M
 Quant Title : SW846 8260
 QLast Update : Wed Nov 08 03:19:07 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.550	168	316086	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	6.757	114	477208	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	460868	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	267853	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	180326	45.824	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	91.640%		
35) Dibromofluoromethane	5.379	113	166722	48.508	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	97.020%		
50) Toluene-d8	8.647	98	588536	47.853	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	95.700%		
62) 4-Bromofluorobenzene	11.079	95	240069	50.345	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	100.700%		
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.166	85	163354	49.765	ug/l	98
3) Chloromethane	1.294	50	126355	44.535	ug/l	99
4) Vinyl Chloride	1.374	62	146721	48.577	ug/l	98
5) Bromomethane	1.599	94	112766	48.371	ug/l	99
6) Chloroethane	1.685	64	90121	47.124	ug/l	99
7) Trichlorofluoromethane	1.886	101	267416	51.355	ug/l	99
8) Diethyl Ether	2.130	74	84998	47.550	ug/l	73
9) 1,1,2-Trichlorotrifluo...	2.331	101	156698	50.894	ug/l	90
10) Methyl Iodide	2.453	142	208857	54.927	ug/l	93
11) Tert butyl alcohol	2.953	59	202503	251.728	ug/l #	93
12) 1,1-Dichloroethene	2.319	96	144341	48.931	ug/l #	79
13) Acrolein	2.233	56	162994	267.330	ug/l	100
14) Allyl chloride	2.660	41	199072	47.116	ug/l #	94
15) Acrylonitrile	3.056	53	408081	240.370	ug/l	100
16) Acetone	2.374	43	518627	312.936	ug/l	90
17) Carbon Disulfide	2.508	76	360328	45.971	ug/l	99
18) Methyl Acetate	2.697	43	335474	47.513	ug/l #	86
19) Methyl tert-butyl Ether	3.111	73	467848	49.596	ug/l	94
20) Methylene Chloride	2.788	84	157346	47.097	ug/l #	82
21) trans-1,2-Dichloroethene	3.087	96	156183	48.633	ug/l	84
22) Diisopropyl ether	3.751	45	388809	48.826	ug/l #	92
23) Vinyl Acetate	3.715	43	1414644	250.284	ug/l #	90
24) 1,1-Dichloroethane	3.605	63	254459	48.298	ug/l	97
25) 2-Butanone	4.544	43	616768	256.901	ug/l #	85
26) 2,2-Dichloropropane	4.471	77	236515	51.416	ug/l	95
27) cis-1,2-Dichloroethene	4.483	96	182795	49.291	ug/l	84
28) Bromochloromethane	4.891	49	115753	48.889	ug/l #	55
29) Tetrahydrofuran	4.989	42	353609	236.732	ug/l #	81
30) Chloroform	5.086	83	294292	47.608	ug/l	97
31) Cyclohexane	5.464	56	209809	48.174	ug/l	85
32) 1,1,1-Trichloroethane	5.379	97	272294	50.054	ug/l	94
36) 1,1-Dichloropropene	5.690	75	208616	48.863	ug/l	94
37) Ethyl Acetate	4.702	43	208752	47.890	ug/l #	93
38) Carbon Tetrachloride	5.672	117	246054	51.553	ug/l	98
39) Methylcyclohexane	7.379	83	265222	49.686	ug/l	89
40) Benzene	6.031	78	598140	48.641	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.910	41	107245	48.292	ug/l #	85
42) 1,2-Dichloroethane	6.080	62	221902	50.011	ug/l	96
43) Isopropyl Acetate	6.330	43	328170	48.970	ug/l #	91
44) Trichloroethene	7.123	130	192111	50.210	ug/l	93
45) 1,2-Dichloropropane	7.428	63	148199	49.853	ug/l	97
46) Dibromomethane	7.574	93	122175	49.144	ug/l #	84
47) Bromodichloromethane	7.818	83	233002	49.836	ug/l	97
48) Methyl methacrylate	7.690	41	161165	49.903	ug/l #	84
49) 1,4-Dioxane	7.653	88	71142	967.627	ug/l #	84
51) 4-Methyl-2-Pentanone	8.568	43	1085913	248.707	ug/l	92
52) Toluene	8.714	92	410263	50.929	ug/l	96
53) t-1,3-Dichloropropene	8.976	75	251757	52.891	ug/l	100
54) cis-1,3-Dichloropropene	8.360	75	261778	52.096	ug/l #	87
55) 1,1,2-Trichloroethane	9.147	97	174433	51.034	ug/l	96
56) Ethyl methacrylate	9.110	69	255779	53.486	ug/l #	84
57) 1,3-Dichloropropane	9.305	76	268077	50.355	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.238	63	589657	250.785	ug/l	90
59) 2-Hexanone	9.427	43	899333	254.560	ug/l	89
60) Dibromochloromethane	9.519	129	203521	53.043	ug/l	100
61) 1,2-Dibromoethane	9.604	107	195819	50.976	ug/l	99
64) Tetrachloroethene	9.269	164	170332	49.375	ug/l	97
65) Chlorobenzene	10.079	112	482617	51.442	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.159	131	184823	52.405	ug/l	99
67) Ethyl Benzene	10.189	91	814686	51.336	ug/l	99
68) m/p-Xylenes	10.299	106	648285	102.929	ug/l	96
69) o-Xylene	10.640	106	314094	51.281	ug/l	97
70) Styrene	10.653	104	531689	52.597	ug/l	95
71) Bromoform	10.799	173	164876	52.965	ug/l #	98
73) Isopropylbenzene	10.957	105	838143	51.005	ug/l	97
74) N-amyl acetate	10.842	43	286996	50.265	ug/l #	90
75) 1,1,2,2-Tetrachloroethane	11.207	83	278690	49.057	ug/l	98
76) 1,2,3-Trichloropropane	11.238	75	239585m	45.164	ug/l	
77) Bromobenzene	11.195	156	226844	50.299	ug/l	81
78) n-propylbenzene	11.305	91	971641	50.812	ug/l	96
79) 2-Chlorotoluene	11.360	91	576035	50.315	ug/l	93
80) 1,3,5-Trimethylbenzene	11.451	105	734028	51.901	ug/l	98
81) trans-1,4-Dichloro-2-b...	11.018	75	86044	50.667	ug/l	84
82) 4-Chlorotoluene	11.451	91	686721	51.345	ug/l	93
83) tert-Butylbenzene	11.713	119	742991	51.846	ug/l	94
84) 1,2,4-Trimethylbenzene	11.750	105	727439	51.859	ug/l	94
85) sec-Butylbenzene	11.890	105	906949	50.720	ug/l	96
86) p-Isopropyltoluene	12.006	119	802567	52.687	ug/l	95
87) 1,3-Dichlorobenzene	11.969	146	436286	50.599	ug/l	97
88) 1,4-Dichlorobenzene	12.043	146	444072	50.106	ug/l	97
89) n-Butylbenzene	12.329	91	694448	51.230	ug/l	96
90) Hexachloroethane	12.536	117	138367	53.626	ug/l	76
91) 1,2-Dichlorobenzene	12.335	146	421658	50.074	ug/l	97
92) 1,2-Dibromo-3-Chloropr...	12.939	75	71735	50.242	ug/l	68
93) 1,2,4-Trichlorobenzene	13.585	180	308612	51.240	ug/l	96
94) Hexachlorobutadiene	13.725	225	133814	51.488	ug/l	99
95) Naphthalene	13.774	128	930861	51.237	ug/l	100
96) 1,2,3-Trichlorobenzene	13.957	180	296580	49.958	ug/l	97

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

