

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX112322\
 Data File : VX033009.D
 Acq On : 23 Nov 2022 11:05
 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 11/25/2022
 Supervised By : Mahesh Dadoda 11/28/2022

Quant Time: Nov 24 04:04:14 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X112222W.M
 Quant Title : SW846 8260
 QLast Update : Tue Nov 22 13:58:46 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.550	168	156450	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	243944	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	227418	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	118419	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	74556	48.687	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	97.380%		
35) Dibromofluoromethane	5.385	113	63670	46.296	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	92.600%		
50) Toluene-d8	8.647	98	203002	49.017	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	98.040%		
62) 4-Bromofluorobenzene	11.079	95	87356	48.355	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	96.720%		
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.166	85	54764	45.818	ug/l	99
3) Chloromethane	1.294	50	57382	44.470	ug/l	100
4) Vinyl Chloride	1.374	62	66850	46.529	ug/l	100
5) Bromomethane	1.617	94	45834	43.021	ug/l	99
6) Chloroethane	1.691	64	54362	46.477	ug/l	97
7) Trichlorofluoromethane	1.886	101	135609	48.632	ug/l	100
8) Diethyl Ether	2.130	74	43900	50.006	ug/l	98
9) 1,1,2-Trichlorotrifluo...	2.331	101	73943	50.451	ug/l	98
10) Methyl Iodide	2.453	142	68609	40.892	ug/l	99
11) Tert butyl alcohol	3.026	59	69117m	286.177	ug/l	
12) 1,1-Dichloroethene	2.319	96	67182	49.207	ug/l	91
13) Acrolein	2.239	56	62330	224.677	ug/l	99
14) Allyl chloride	2.666	41	111470	50.572	ug/l	97
15) Acrylonitrile	3.068	53	174548	255.512	ug/l	99
16) Acetone	2.398	43	202031	283.933	ug/l	99
17) Carbon Disulfide	2.514	76	174139	46.166	ug/l	100
18) Methyl Acetate	2.703	43	100791	51.172	ug/l	100
19) Methyl tert-butyl Ether	3.111	73	240516	50.796	ug/l	100
20) Methylene Chloride	2.788	84	74616	50.408	ug/l	96
21) trans-1,2-Dichloroethene	3.093	96	73712	47.198	ug/l	97
22) Diisopropyl ether	3.757	45	247383	51.543	ug/l	93
23) Vinyl Acetate	3.721	43	981837	261.340	ug/l	100
24) 1,1-Dichloroethane	3.611	63	135387	49.294	ug/l	99
25) 2-Butanone	4.562	43	266785	271.908	ug/l	98
26) 2,2-Dichloropropane	4.471	77	116201	52.619	ug/l	100
27) cis-1,2-Dichloroethene	4.489	96	88939	50.123	ug/l	99
28) Bromochloromethane	4.891	49	58851	48.766	ug/l	99
29) Tetrahydrofuran	5.013	42	159588	256.331	ug/l	99
30) Chloroform	5.092	83	152856	49.692	ug/l	100
31) Cyclohexane	5.470	56	122431	49.594	ug/l	94
32) 1,1,1-Trichloroethane	5.379	97	138948	50.439	ug/l	99
36) 1,1-Dichloropropene	5.690	75	109329	49.718	ug/l	100
37) Ethyl Acetate	4.708	43	101601	52.959	ug/l	98
38) Carbon Tetrachloride	5.678	117	123429	50.597	ug/l	99
39) Methylcyclohexane	7.379	83	129317	51.541	ug/l	98
40) Benzene	6.037	78	307936	49.945	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.916	41	57799	53.542	ug/l	96
42) 1,2-Dichloroethane	6.086	62	124149	50.011	ug/l	100
43) Isopropyl Acetate	6.336	43	168874	53.225	ug/l	100
44) Trichloroethene	7.123	130	86493	49.994	ug/l	95
45) 1,2-Dichloropropane	7.427	63	77897	51.124	ug/l	100
46) Dibromomethane	7.580	93	59005	49.630	ug/l	99
47) Bromodichloromethane	7.818	83	119545	52.037	ug/l	99
48) Methyl methacrylate	7.690	41	85667	52.454	ug/l	99
49) 1,4-Dioxane	7.714	88	34838	1158.827	ug/l #	78
51) 4-Methyl-2-Pentanone	8.574	43	528768	270.077	ug/l	99
52) Toluene	8.720	92	207705	51.206	ug/l	99
53) t-1,3-Dichloropropene	8.976	75	126826	51.338	ug/l	100
54) cis-1,3-Dichloropropene	8.366	75	132239	53.395	ug/l	95
55) 1,1,2-Trichloroethane	9.153	97	83184	50.370	ug/l	99
56) Ethyl methacrylate	9.116	69	124160	54.567	ug/l	98
57) 1,3-Dichloropropane	9.305	76	136832	51.324	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.238	63	309275	286.235	ug/l	100
59) 2-Hexanone	9.433	43	405162	280.139	ug/l	98
60) Dibromochloromethane	9.519	129	94837	53.339	ug/l	99
61) 1,2-Dibromoethane	9.610	107	90622	51.989	ug/l	100
64) Tetrachloroethene	9.275	164	74556	46.315	ug/l	97
65) Chlorobenzene	10.079	112	223768	49.352	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.165	131	86746	52.215	ug/l	99
67) Ethyl Benzene	10.195	91	413311	51.388	ug/l	99
68) m/p-Xylenes	10.299	106	323678	102.770	ug/l	99
69) o-Xylene	10.640	106	156090	51.221	ug/l	100
70) Styrene	10.652	104	263220	52.797	ug/l	99
71) Bromoform	10.799	173	69312	54.415	ug/l #	100
73) Isopropylbenzene	10.963	105	422528	49.932	ug/l	100
74) N-amyl acetate	10.841	43	152970	53.140	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.213	83	124785	48.858	ug/l	99
76) 1,2,3-Trichloropropane	11.238	75	127423m	56.818	ug/l	
77) Bromobenzene	11.195	156	99436	47.780	ug/l	97
78) n-propylbenzene	11.305	91	493479	51.005	ug/l	100
79) 2-Chlorotoluene	11.366	91	287918	48.997	ug/l	99
80) 1,3,5-Trimethylbenzene	11.451	105	360020	50.645	ug/l	99
81) trans-1,4-Dichloro-2-b...	11.018	75	38196	55.360	ug/l	97
82) 4-Chlorotoluene	11.451	91	341323	49.567	ug/l	99
83) tert-Butylbenzene	11.713	119	348954	49.314	ug/l	99
84) 1,2,4-Trimethylbenzene	11.750	105	358325	50.552	ug/l	100
85) sec-Butylbenzene	11.890	105	432840	51.129	ug/l	99
86) p-Isopropyltoluene	12.012	119	370334	51.632	ug/l	99
87) 1,3-Dichlorobenzene	11.969	146	190307	48.754	ug/l	99
88) 1,4-Dichlorobenzene	12.042	146	192958	48.268	ug/l	99
89) n-Butylbenzene	12.335	91	326825	52.893	ug/l	99
90) Hexachloroethane	12.536	117	60779	51.578	ug/l	99
91) 1,2-Dichlorobenzene	12.335	146	185311	48.802	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	12.945	75	26806	52.604	ug/l	97
93) 1,2,4-Trichlorobenzene	13.591	180	117427	50.168	ug/l	98
94) Hexachlorobutadiene	13.725	225	50879	49.270	ug/l	99
95) Naphthalene	13.774	128	383246	50.612	ug/l	99
96) 1,2,3-Trichlorobenzene	13.963	180	116765	49.745	ug/l	99

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

