

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX013120\
 Data File : VX014784.D
 Acq On : 31 Jan 2020 17:02
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleID :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 2/4/2020 3:36:00 PM

Quant Time: Jan 31 17:55:16 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X012220W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jan 22 12:35:15 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.64	168	442410	50.00	ug/l	-0.01
34) 1,4-Difluorobenzene	6.84	114	640078	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	589540	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	305568	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.04	65	238228	46.11	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	92.22%	
35) Dibromofluoromethane	5.48	113	193876	48.00	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	96.00%	
50) Toluene-d8	8.71	98	739847	47.65	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	95.30%	
62) 4-Bromofluorobenzene	11.13	95	265533	48.01	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	96.02%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.19	85	262665	44.294	ug/l	99
3) Chloromethane	1.32	50	255754	42.732	ug/l	98
4) Vinyl Chloride	1.40	62	300907	46.499	ug/l	99
5) Bromomethane	1.63	94	191732	43.620	ug/l	99
6) Chloroethane	1.72	64	165897	44.661	ug/l	97
7) Trichlorofluoromethane	1.92	101	347159	46.073	ug/l	99
8) Diethyl Ether	2.18	74	147654	44.895	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	2.37	101	208701	47.181	ug/l	100
10) Methyl Iodide	2.50	142	272242	46.905	ug/l	98
11) Tert butyl alcohol	3.03	59	217451	187.475	ug/l	99
12) 1,1-Dichloroethene	2.36	96	200040	45.485	ug/l	97
13) Acrolein	2.28	56	249880	273.228	ug/l	100
14) Allyl chloride	2.72	41	357414	45.213	ug/l	97
15) Acrylonitrile	3.12	53	583110	217.277	ug/l	100
16) Acetone	2.43	43	488253	172.484	ug/l	100
17) Carbon Disulfide	2.56	76	508471	42.302	ug/l	98
18) Methyl Acetate	2.76	43	361595	44.739	ug/l	99
19) Methyl tert-butyl Ether	3.18	73	679177	47.148	ug/l	99
20) Methylene Chloride	2.84	84	232987	44.468	ug/l	98
21) trans-1,2-Dichloroethene	3.15	96	214606	44.318	ug/l	98
22) Diisopropyl ether	3.84	45	743260	47.259	ug/l	100
23) Vinyl Acetate	3.80	43	2879638	240.192	ug/l	100
24) 1,1-Dichloroethane	3.69	63	398015	46.600	ug/l	100
25) 2-Butanone	4.65	43	792893	195.448	ug/l	99
26) 2,2-Dichloropropane	4.57	77	330519	48.346	ug/l	99
27) cis-1,2-Dichloroethene	4.58	96	249881	46.107	ug/l	99
28) Bromochloromethane	5.00	49	150076	39.985	ug/l	98
29) Tetrahydrofuran	5.11	42	514659	213.748	ug/l	99
30) Chloroform	5.19	83	396321	46.841	ug/l	99
31) Cyclohexane	5.56	56	361979	45.059	ug/l	99
32) 1,1,1-Trichloroethane	5.48	97	336585	47.063	ug/l	99
36) 1,1-Dichloropropene	5.79	75	298053	50.113	ug/l	99
37) Ethyl Acetate	4.81	43	312851	45.927	ug/l	100
38) Carbon Tetrachloride	5.77	117	288303	50.756	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.45	83	374876	50.312	ug/l	96
40) Benzene	6.13	78	903560	49.168	ug/l	100
41) Methacrylonitrile	5.02	41	179517	46.173	ug/l	99
42) 1,2-Dichloroethane	6.18	62	319152	50.292	ug/l	100
43) Isopropyl Acetate	6.43	43	521359	46.738	ug/l	99
44) Trichloroethene	7.20	130	251557	48.462	ug/l	98
45) 1,2-Dichloropropane	7.50	63	236620	49.980	ug/l	99
46) Dibromomethane	7.65	93	152665	49.790	ug/l	98
47) Bromodichloromethane	7.89	83	308431	51.287	ug/l	98
48) Methyl methacrylate	7.76	41	263595	49.457	ug/l	98
49) 1,4-Dioxane	7.73	88	90286	799.142	ug/l	97
51) 4-Methyl-2-Pentanone	8.63	43	1636242	232.406	ug/l	99
52) Toluene	8.78	92	569142	50.383	ug/l	98
53) t-1,3-Dichloropropene	9.03	75	344399	53.185	ug/l	99
54) cis-1,3-Dichloropropene	8.43	75	377096	52.936	ug/l	98
55) 1,1,2-Trichloroethane	9.21	97	232663	50.306	ug/l	99
56) Ethyl methacrylate	9.17	69	364122	46.566	ug/l	99
57) 1,3-Dichloropropane	9.36	76	394249	49.866	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.30	63	596882	256.620	ug/l	98
59) 2-Hexanone	9.48	43	1214322	222.270	ug/l	99
60) Dibromochloromethane	9.57	129	250937	51.981	ug/l	100
61) 1,2-Dibromoethane	9.67	107	245027	50.108	ug/l	99
64) Tetrachloroethene	9.33	164	267650	45.864	ug/l	97
65) Chlorobenzene	10.13	112	621068	49.252	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.21	131	233410	50.203	ug/l	99
67) Ethyl Benzene	10.25	91	1095406	50.875	ug/l	100
68) m/p-Xylenes	10.35	106	839996	102.978	ug/l	100
69) o-Xylene	10.70	106	403267	51.210	ug/l	99
70) Styrene	10.70	104	701656	53.117	ug/l	99
71) Bromoform	10.85	173	193590	52.359	ug/l #	99
73) Isopropylbenzene	11.01	105	1090013	50.732	ug/l	100
74) N-amyl acetate	10.89	43	459401	48.793	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.26	83	342182	44.605	ug/l	98
76) 1,2,3-Trichloropropane	11.29	75	295039m	41.501	ug/l	
77) Bromobenzene	11.25	156	286141	49.574	ug/l	95
78) n-propylbenzene	11.35	91	1244205	51.017	ug/l	100
79) 2-Chlorotoluene	11.42	91	726295	49.219	ug/l	99
80) 1,3,5-Trimethylbenzene	11.50	105	920986	51.647	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.07	75	118202	47.316	ug/l	99
82) 4-Chlorotoluene	11.51	91	846740	50.403	ug/l	100
83) tert-Butylbenzene	11.76	119	867300	51.759	ug/l	98
84) 1,2,4-Trimethylbenzene	11.80	105	918781	51.368	ug/l	98
85) sec-Butylbenzene	11.94	105	1072902	52.266	ug/l	100
86) p-Isopropyltoluene	12.06	119	990975	52.237	ug/l	100
87) 1,3-Dichlorobenzene	12.02	146	504413	48.626	ug/l	100
88) 1,4-Dichlorobenzene	12.09	146	504656	48.567	ug/l	100
89) n-Butylbenzene	12.39	91	867721	52.517	ug/l	99
90) Hexachloroethane	12.59	117	175021	49.670	ug/l	99
91) 1,2-Dichlorobenzene	12.39	146	504713	48.988	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	12.99	75	71689	43.496	ug/l	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.64	180	342948	51.630	ug/l	99
94) Hexachlorobutadiene	13.78	225	179405	52.477	ug/l	98
95) Naphthalene	13.83	128	967643	45.265	ug/l	100
96) 1,2,3-Trichlorobenzene	14.01	180	343255	51.107	ug/l	98

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

