

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX041520\
 Data File : VX015685.D
 Acq On : 15 Apr 2020 16:00
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 4/16/2020 11:03:11 AM

Quant Time: Apr 16 07:02:20 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X032720W.M
 Quant Title : SW846 8260
 QLast Update : Fri Mar 27 09:35:51 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.64	168	1027142	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.83	114	1548248	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	1436186	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	785334	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.03	65	648185	44.74	ug/l	0.00
Spiked Amount	50.000		Recovery	=	89.48%	
35) Dibromofluoromethane	5.47	113	498995	50.42	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.84%	
50) Toluene-d8	8.70	98	1832644	50.30	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.60%	
62) 4-Bromofluorobenzene	11.12	95	733012	49.50	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.00%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.18	85	390238	43.124	ug/l	100
3) Chloromethane	1.31	50	471449	40.909	ug/l	99
4) Vinyl Chloride	1.39	62	498098	47.071	ug/l	98
5) Bromomethane	1.62	94	249177	51.293	ug/l	98
6) Chloroethane	1.71	64	307823	46.904	ug/l	99
7) Trichlorofluoromethane	1.91	101	677505	47.742	ug/l	99
8) Diethyl Ether	2.17	74	288802	48.249	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	2.36	101	450445	48.690	ug/l	97
10) Methyl Iodide	2.49	142	468315	37.546	ug/l	99
11) Tert butyl alcohol	3.01	59	659253	190.125	ug/l	98
12) 1,1-Dichloroethene	2.36	96	441115	45.488	ug/l	98
13) Acrolein	2.27	56	614089	310.895	ug/l	99
14) Allyl chloride	2.71	41	983790	43.418	ug/l	99
15) Acrylonitrile	3.12	53	1502865	227.269	ug/l	99
16) Acetone	2.42	43	1321763	212.371	ug/l	99
17) Carbon Disulfide	2.55	76	1160945	39.245	ug/l	100
18) Methyl Acetate	2.75	43	736066	46.337	ug/l	98
19) Methyl tert-butyl Ether	3.17	73	1711492	45.506	ug/l	100
20) Methylene Chloride	2.83	84	516833	44.458	ug/l	96
21) trans-1,2-Dichloroethene	3.14	96	486447	45.200	ug/l	100
22) Diisopropyl ether	3.83	45	1855923	46.224	ug/l	96
23) Vinyl Acetate	3.78	43	8199908	225.565	ug/l	100
24) 1,1-Dichloroethane	3.67	63	952065	45.036	ug/l	99
25) 2-Butanone	4.64	43	2169177	216.718	ug/l	100
26) 2,2-Dichloropropane	4.56	77	835597	48.156	ug/l	99
27) cis-1,2-Dichloroethene	4.57	96	570126	45.789	ug/l	100
28) Bromochloromethane	4.98	49	464551	46.026	ug/l	95
29) Tetrahydrofuran	5.09	42	1403299	218.084	ug/l	99
30) Chloroform	5.18	83	934185	45.932	ug/l	95
31) Cyclohexane	5.55	56	838501	45.723	ug/l	99
32) 1,1,1-Trichloroethane	5.47	97	854529	46.426	ug/l	99
36) 1,1-Dichloropropene	5.77	75	691453	48.471	ug/l	98
37) Ethyl Acetate	4.80	43	848467	45.679	ug/l	99
38) Carbon Tetrachloride	5.76	117	747940	48.407	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.44	83	821290	49.932	ug/l	98
40) Benzene	6.12	78	2065092	49.419	ug/l	97
41) Methacrylonitrile	5.01	41	495823	48.086	ug/l	99
42) 1,2-Dichloroethane	6.17	62	793915	47.299	ug/l	99
43) Isopropyl Acetate	6.42	43	1449997	46.243	ug/l	99
44) Trichloroethene	7.19	130	581841	51.055	ug/l	94
45) 1,2-Dichloropropane	7.49	63	552162	48.303	ug/l	98
46) Dibromomethane	7.64	93	366566	48.884	ug/l	95
47) Bromodichloromethane	7.88	83	773756	48.426	ug/l	98
48) Methyl methacrylate	7.75	41	726713	46.400	ug/l	98
49) 1,4-Dioxane	7.72	88	272775	933.613	ug/l	96
51) 4-Methyl-2-Pentanone	8.62	43	4300886	242.031	ug/l	100
52) Toluene	8.77	92	1310254	50.858	ug/l	97
53) t-1,3-Dichloropropene	9.03	75	878651	46.888	ug/l	98
54) cis-1,3-Dichloropropene	8.42	75	917775	48.078	ug/l	96
55) 1,1,2-Trichloroethane	9.20	97	537630	50.935	ug/l	99
56) Ethyl methacrylate	9.16	69	892269	47.966	ug/l	97
57) 1,3-Dichloropropane	9.36	76	925936	48.690	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.29	63	2253433	249.048	ug/l	99
59) 2-Hexanone	9.48	43	3231120	240.842	ug/l	99
60) Dibromochloromethane	9.57	129	628029	49.516	ug/l	100
61) 1,2-Dibromoethane	9.65	107	573823	49.997	ug/l	99
64) Tetrachloroethene	9.32	164	536633	49.512	ug/l	97
65) Chlorobenzene	10.12	112	1439463	50.257	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.21	131	552596	48.293	ug/l	98
67) Ethyl Benzene	10.24	91	2543826	50.076	ug/l	99
68) m/p-Xylenes	10.34	106	1945365	102.843	ug/l	96
69) o-Xylene	10.68	106	940702	50.326	ug/l	100
70) Styrene	10.70	104	1652751	50.248	ug/l	98
71) Bromoform	10.84	173	493755	47.401	ug/l #	97
73) Isopropylbenzene	11.01	105	2527669	49.122	ug/l	100
74) N-amyl acetate	10.89	43	1238603	43.279	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.25	83	819046	46.387	ug/l	99
76) 1,2,3-Trichloropropane	11.28	75	753283m	46.644	ug/l	
77) Bromobenzene	11.24	156	700970	51.071	ug/l	90
78) n-propylbenzene	11.34	91	2838832	48.247	ug/l	99
79) 2-Chlorotoluene	11.41	91	1709572	47.404	ug/l	98
80) 1,3,5-Trimethylbenzene	11.49	105	2154505	49.027	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.06	75	284872	42.325	ug/l	98
82) 4-Chlorotoluene	11.50	91	2018163	47.735	ug/l	99
83) tert-Butylbenzene	11.76	119	2137871	49.804	ug/l	99
84) 1,2,4-Trimethylbenzene	11.79	105	2193655	48.985	ug/l	100
85) sec-Butylbenzene	11.93	105	2454762	49.446	ug/l	100
86) p-Isopropyltoluene	12.05	119	2335393	50.673	ug/l	98
87) 1,3-Dichlorobenzene	12.01	146	1236846	50.337	ug/l	98
88) 1,4-Dichlorobenzene	12.08	146	1220227	48.754	ug/l	99
89) n-Butylbenzene	12.37	91	2070418	49.712	ug/l	99
90) Hexachloroethane	12.58	117	409595	45.661	ug/l	94
91) 1,2-Dichlorobenzene	12.38	146	1192008	49.571	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	12.98	75	195681	39.266	ug/l	92

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.63	180	948820	49.884	ug/l	97
94) Hexachlorobutadiene	13.77	225	443775	49.004	ug/l	99
95) Naphthalene	13.82	128	2825604	48.701	ug/l	100
96) 1,2,3-Trichlorobenzene	14.01	180	907908	49.578	ug/l	94

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

