

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX041519\
 Data File : VX008973.D
 Acq On : 15 Apr 2019 20:15
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 4/16/2019 10:53:44 AM

Quant Time: Apr 16 05:00:23 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X041519W.M
 Quant Title : SW846 8260
 QLast Update : Tue Apr 16 02:27:32 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.66	168	224773	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	369424	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	330215	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	152063	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.06	65	149251	47.12	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.24%	
35) Dibromofluoromethane	5.50	113	110023	46.41	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.82%	
50) Toluene-d8	8.71	98	446739	47.25	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.50%	
62) 4-Bromofluorobenzene	11.13	95	157415	47.16	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.32%	

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.20	85	136355	52.668	ug/l 100
3) Chloromethane	1.32	50	160523	50.504	ug/l 99
4) Vinyl Chloride	1.41	62	154497	49.942	ug/l 98
5) Bromomethane	1.64	94	92891	48.109	ug/l 96
6) Chloroethane	1.71	64	90422	49.707	ug/l 98
7) Trichlorofluoromethane	1.92	101	175852	48.687	ug/l 98
8) Diethyl Ether	2.19	74	79717	48.261	ug/l 100
9) 1,1,2-Trichlorotrifluoroet	2.38	101	110389	47.801	ug/l 100
10) Methyl Iodide	2.51	142	124129	49.235	ug/l 100
11) Tert butyl alcohol	3.05	59	171727	244.228	ug/l 100
12) 1,1-Dichloroethene	2.37	96	114158	47.360	ug/l 98
13) Acrolein	2.29	56	138046	227.220	ug/l 100
14) Allyl chloride	2.73	41	264313	50.261	ug/l 99
15) Acrylonitrile	3.14	53	439695	246.340	ug/l 100
16) Acetone	2.45	43	383644	233.546	ug/l 100
17) Carbon Disulfide	2.57	76	339174	47.937	ug/l 100
18) Methyl Acetate	2.78	43	194472	47.435	ug/l 100
19) Methyl tert-butyl Ether	3.20	73	429623	50.022	ug/l 100
20) Methylene Chloride	2.85	84	133462	47.509	ug/l 99
21) trans-1,2-Dichloroethene	3.17	96	122916	47.809	ug/l 99
22) Diisopropyl ether	3.85	45	513641	50.264	ug/l 96
23) Vinyl Acetate	3.81	43	2320581	258.338	ug/l 99
24) 1,1-Dichloroethane	3.70	63	251824	49.092	ug/l 99
25) 2-Butanone	4.67	43	658929	250.951	ug/l 99
26) 2,2-Dichloropropane	4.58	77	176910	46.009	ug/l 100
27) cis-1,2-Dichloroethene	4.60	96	140599	48.166	ug/l 99
28) Bromochloromethane	5.01	49	112948	53.132	ug/l 100
29) Tetrahydrofuran	5.13	42	434393	247.172	ug/l 99
30) Chloroform	5.21	83	225272	49.076	ug/l 98
31) Cyclohexane	5.58	56	250047	49.560	ug/l 97
32) 1,1,1-Trichloroethane	5.49	97	188807	49.628	ug/l 100
36) 1,1-Dichloropropene	5.80	75	178593	46.744	ug/l 99
37) Ethyl Acetate	4.83	43	247939	50.432	ug/l 100
38) Carbon Tetrachloride	5.78	117	156699	48.379	ug/l 96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	220520	47.405	ug/l	98
40) Benzene	6.14	78	548649	48.677	ug/l	100
41) Methacrylonitrile	5.04	41	141091	50.004	ug/l	100
42) 1,2-Dichloroethane	6.19	62	192745	48.275	ug/l	99
43) Isopropyl Acetate	6.45	43	395625	49.936	ug/l	99
44) Trichloroethene	7.21	130	128943	46.690	ug/l	99
45) 1,2-Dichloropropane	7.51	63	155114	49.606	ug/l	98
46) Dibromomethane	7.66	93	87421	48.039	ug/l	100
47) Bromodichloromethane	7.90	83	175546	49.183	ug/l	100
48) Methyl methacrylate	7.77	41	199510	50.965	ug/l	99
49) 1,4-Dioxane	7.74	88	68960	941.175	ug/l	99
51) 4-Methyl-2-Pentanone	8.64	43	1255597	248.765	ug/l	100
52) Toluene	8.79	92	328548	48.638	ug/l	100
53) t-1,3-Dichloropropene	9.04	75	206826	50.351	ug/l	99
54) cis-1,3-Dichloropropene	8.43	75	226692	49.286	ug/l	98
55) 1,1,2-Trichloroethane	9.21	97	131514	49.123	ug/l	99
56) Ethyl methacrylate	9.18	69	244684	50.971	ug/l	99
57) 1,3-Dichloropropane	9.37	76	234861	49.271	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.31	63	650921	251.801	ug/l	100
59) 2-Hexanone	9.49	43	944731	242.776	ug/l	100
60) Dibromochloromethane	9.58	129	131520	51.258	ug/l	99
61) 1,2-Dibromoethane	9.67	107	135685	49.106	ug/l	99
64) Tetrachloroethene	9.34	164	117055	46.662	ug/l	98
65) Chlorobenzene	10.14	112	331527	47.565	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.22	131	122237	49.783	ug/l	99
67) Ethyl Benzene	10.25	91	620206	48.677	ug/l	99
68) m/p-Xylenes	10.36	106	451149	97.429	ug/l	100
69) o-Xylene	10.69	106	217732	48.325	ug/l	99
70) Styrene	10.71	104	380605	48.747	ug/l	99
71) Bromoform	10.85	173	97316	49.748	ug/l #	99
73) Isopropylbenzene	11.02	105	581033	50.410	ug/l	100
74) N-amyl acetate	10.90	43	338412	51.134	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.27	83	203413	48.300	ug/l	100
76) 1,2,3-Trichloropropane	11.29	75	180578m	48.633	ug/l	
77) Bromobenzene	11.26	156	142595	49.033	ug/l	99
78) n-propylbenzene	11.36	91	673511	50.910	ug/l	100
79) 2-Chlorotoluene	11.42	91	396772	49.770	ug/l	99
80) 1,3,5-Trimethylbenzene	11.51	105	492506	50.919	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.07	75	73776	51.010	ug/l	97
82) 4-Chlorotoluene	11.51	91	455992	49.250	ug/l	100
83) tert-Butylbenzene	11.77	119	461146	49.659	ug/l	100
84) 1,2,4-Trimethylbenzene	11.80	105	492626	50.035	ug/l	100
85) sec-Butylbenzene	11.94	105	558750	50.450	ug/l	100
86) p-Isopropyltoluene	12.06	119	504960	49.591	ug/l	100
87) 1,3-Dichlorobenzene	12.02	146	247098	48.547	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	242065	46.915	ug/l	99
89) n-Butylbenzene	12.38	91	465956	49.136	ug/l	100
90) Hexachloroethane	12.60	117	86669	51.599	ug/l	100
91) 1,2-Dichlorobenzene	12.39	146	242977	48.343	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	13.00	75	45600	47.556	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	170070	46.875	ug/l	100
94) Hexachlorobutadiene	13.78	225	85883	47.461	ug/l	100
95) Naphthalene	13.83	128	560935	48.256	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	169852	47.447	ug/l	99

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

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