

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX051419\
 Data File : VX009567.D
 Acq On : 14 May 2019 17:31
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 5/15/2019 12:25:56 PM

Quant Time: May 15 08:49:23 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X042919W.M
 Quant Title : SW846 8260
 QLast Update : Thu May 09 07:31:15 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.66	168	156987	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	249785	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	227848	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	115572	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.06	65	96435	45.00	ug/l	0.00
Spiked Amount			Recovery	=	90.00%	
35) Dibromofluoromethane	5.50	113	72199	45.98	ug/l	0.00
Spiked Amount			Recovery	=	91.96%	
50) Toluene-d8	8.71	98	285387	45.02	ug/l	0.00
Spiked Amount			Recovery	=	90.04%	
62) 4-Bromofluorobenzene	11.13	95	106799	46.36	ug/l	0.00
Spiked Amount			Recovery	=	92.72%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.20	85	62854	43.448	ug/l	98
3) Chloromethane	1.32	50	95663	48.435	ug/l	100
4) Vinyl Chloride	1.41	62	95585	49.630	ug/l	97
5) Bromomethane	1.64	94	58478	50.588	ug/l	99
6) Chloroethane	1.71	64	61537	49.766	ug/l	100
7) Trichlorofluoromethane	1.92	101	119857	51.197	ug/l	98
8) Diethyl Ether	2.19	74	55497	50.046	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	2.38	101	74743	50.841	ug/l	98
10) Methyl Iodide	2.51	142	92084	53.550	ug/l	100
11) Tert butyl alcohol	3.05	59	125443	252.876	ug/l	100
12) 1,1-Dichloroethene	2.37	96	74772	50.762	ug/l	94
13) Acrolein	2.29	56	106085	236.136	ug/l	100
14) Allyl chloride	2.73	41	179253	49.936	ug/l	100
15) Acrylonitrile	3.14	53	304759	251.261	ug/l	100
16) Acetone	2.45	43	283010	245.938	ug/l	99
17) Carbon Disulfide	2.57	76	204683	49.494	ug/l	100
18) Methyl Acetate	2.78	43	133002	48.600	ug/l	98
19) Methyl tert-butyl Ether	3.20	73	292630	51.159	ug/l	99
20) Methylene Chloride	2.85	84	90563	48.606	ug/l	98
21) trans-1,2-Dichloroethene	3.17	96	81851	51.238	ug/l	96
22) Diisopropyl ether	3.85	45	355371	51.478	ug/l	99
23) Vinyl Acetate	3.81	43	1586094	268.309	ug/l	99
24) 1,1-Dichloroethane	3.70	63	172598	50.682	ug/l	100
25) 2-Butanone	4.67	43	456989	255.556	ug/l	99
26) 2,2-Dichloropropane	4.58	77	127922	50.465	ug/l	100
27) cis-1,2-Dichloroethene	4.59	96	97176	50.964	ug/l	99
28) Bromochloromethane	5.01	49	64901	47.188	ug/l	99
29) Tetrahydrofuran	5.13	42	297868	258.856	ug/l	100
30) Chloroform	5.21	83	157702	51.201	ug/l	100
31) Cyclohexane	5.58	56	163433	51.582	ug/l	99
32) 1,1,1-Trichloroethane	5.49	97	131062	51.116	ug/l	99
36) 1,1-Dichloropropene	5.80	75	120511	51.916	ug/l	100
37) Ethyl Acetate	4.83	43	169138	52.296	ug/l	99
38) Carbon Tetrachloride	5.78	117	108832	51.603	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	148423	52.064	ug/l	99
40) Benzene	6.14	78	370649	51.594	ug/l	98
41) Methacrylonitrile	5.04	41	98127	50.969	ug/l	100
42) 1,2-Dichloroethane	6.19	62	134546	52.210	ug/l	99
43) Isopropyl Acetate	6.45	43	269552	52.104	ug/l	99
44) Trichloroethene	7.21	130	88378	50.887	ug/l	99
45) 1,2-Dichloropropane	7.51	63	105252	51.741	ug/l	99
46) Dibromomethane	7.66	93	60326	51.068	ug/l	98
47) Bromodichloromethane	7.90	83	123151	52.263	ug/l	98
48) Methyl methacrylate	7.77	41	136522	53.191	ug/l	99
49) 1,4-Dioxane	7.74	88	52012	999.257	ug/l	99
51) 4-Methyl-2-Pentanone	8.64	43	894123	264.424	ug/l	100
52) Toluene	8.78	92	227734	52.149	ug/l	99
53) t-1,3-Dichloropropene	9.04	75	143387	53.898	ug/l	99
54) cis-1,3-Dichloropropene	8.43	75	157748	53.572	ug/l	98
55) 1,1,2-Trichloroethane	9.21	97	91245	51.215	ug/l	95
56) Ethyl methacrylate	9.18	69	168802	53.078	ug/l	100
57) 1,3-Dichloropropane	9.37	76	162410	51.803	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.31	63	392668	232.746	ug/l	100
59) 2-Hexanone	9.49	43	700594	263.807	ug/l	99
60) Dibromochloromethane	9.58	129	93520	53.745	ug/l	99
61) 1,2-Dibromoethane	9.67	107	94283	52.426	ug/l	99
64) Tetrachloroethene	9.34	164	80142	51.277	ug/l	99
65) Chlorobenzene	10.13	112	235851	51.745	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.22	131	87071	52.692	ug/l	99
67) Ethyl Benzene	10.25	91	437380	52.141	ug/l	99
68) m/p-Xylenes	10.36	106	321983	105.038	ug/l	98
69) o-Xylene	10.69	106	157304	52.010	ug/l	99
70) Styrene	10.71	104	277865	52.859	ug/l	100
71) Bromoform	10.85	173	70312	52.359	ug/l	98
73) Isopropylbenzene	11.02	105	420378	50.020	ug/l	99
74) N-amyl acetate	10.90	43	249493	50.919	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.27	83	155846	49.744	ug/l	100
76) 1,2,3-Trichloropropane	11.29	75	135765m	50.642	ug/l	
77) Bromobenzene	11.26	156	105513	50.582	ug/l	98
78) n-propylbenzene	11.36	91	489877	51.039	ug/l	100
79) 2-Chlorotoluene	11.42	91	290583	49.072	ug/l	99
80) 1,3,5-Trimethylbenzene	11.51	105	358609	50.677	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.07	75	54148	51.680	ug/l	99
82) 4-Chlorotoluene	11.51	91	337387	50.434	ug/l	99
83) tert-Butylbenzene	11.77	119	348590	50.639	ug/l	99
84) 1,2,4-Trimethylbenzene	11.80	105	361363	50.875	ug/l	100
85) sec-Butylbenzene	11.94	105	413816	50.704	ug/l	99
86) p-Isopropyltoluene	12.06	119	379029	51.660	ug/l	100
87) 1,3-Dichlorobenzene	12.02	146	188382	50.659	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	188415	50.257	ug/l	100
89) n-Butylbenzene	12.38	91	346326	52.225	ug/l	100
90) Hexachloroethane	12.60	117	61844	49.476	ug/l	95
91) 1,2-Dichlorobenzene	12.39	146	190320	50.248	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	13.00	75	34842	49.575	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	134127	51.785	ug/l	98
94) Hexachlorobutadiene	13.78	225	68102	51.489	ug/l	98
95) Naphthalene	13.83	128	424965	50.431	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	133759	50.947	ug/l	100

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

