

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX051719\
 Data File : VX009687.D
 Acq On : 18 May 2019 01:11
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 38 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 5/20/2019 11:11:31 AM

Quant Time: May 18 06:44:26 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	5.67	168	141067	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	232208	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	213704	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	105540	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.06	65	90076	46.77	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.54%	
35) Dibromofluoromethane	5.50	113	65587	44.93	ug/l	0.00
Spiked Amount	50.000		Recovery	=	89.86%	
50) Toluene-d8	8.71	98	260078	44.13	ug/l	0.00
Spiked Amount	50.000		Recovery	=	88.26%	
62) 4-Bromofluorobenzene	11.13	95	96927	45.26	ug/l	0.00
Spiked Amount	50.000		Recovery	=	90.52%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.20	85	57231	44.025	ug/l	98
3) Chloromethane	1.32	50	89550	50.457	ug/l	99
4) Vinyl Chloride	1.41	62	89535	51.736	ug/l	98
5) Bromomethane	1.64	94	56048	53.958	ug/l	97
6) Chloroethane	1.71	64	58904	53.013	ug/l	97
7) Trichlorofluoromethane	1.92	101	113546	53.975	ug/l	98
8) Diethyl Ether	2.19	74	54421	54.614	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	2.37	101	67562	51.143	ug/l	99
10) Methyl Iodide	2.51	142	73831	48.276	ug/l	99
11) Tert butyl alcohol	3.06	59	140172	314.456	ug/l	99
12) 1,1-Dichloroethene	2.37	96	68391	51.670	ug/l	99
13) Acrolein	2.29	56	102514	253.940	ug/l	100
14) Allyl chloride	2.72	41	170556	52.875	ug/l	98
15) Acrylonitrile	3.15	53	331570	304.216	ug/l	99
16) Acetone	2.45	43	294357	284.666	ug/l	98
17) Carbon Disulfide	2.56	76	179322	48.255	ug/l	99
18) Methyl Acetate	2.78	43	154588	62.862	ug/l	98
19) Methyl tert-butyl Ether	3.20	73	294399	57.277	ug/l	99
20) Methylene Chloride	2.85	84	89264	53.315	ug/l	98
21) trans-1,2-Dichloroethene	3.16	96	75950	52.910	ug/l	100
22) Diisopropyl ether	3.86	45	355080	57.240	ug/l	94
23) Vinyl Acetate	3.82	43	1565986	294.803	ug/l	99
24) 1,1-Dichloroethane	3.70	63	169031	55.236	ug/l	100
25) 2-Butanone	4.68	43	499296	310.726	ug/l	100
26) 2,2-Dichloropropane	4.58	77	83117	36.490	ug/l	97
27) cis-1,2-Dichloroethene	4.60	96	93155	54.369	ug/l	96
28) Bromochloromethane	5.02	49	49943	39.994	ug/l	98
29) Tetrahydrofuran	5.13	42	329955	319.101	ug/l	98
30) Chloroform	5.21	83	155714	56.261	ug/l	100
31) Cyclohexane	5.58	56	148770	52.254	ug/l	99
32) 1,1,1-Trichloroethane	5.49	97	127635	55.397	ug/l	99
36) 1,1-Dichloropropene	5.80	75	113623	52.653	ug/l	99
37) Ethyl Acetate	4.84	43	183660	61.085	ug/l	99
38) Carbon Tetrachloride	5.78	117	105420	53.769	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	130472	49.232	ug/l	99
40) Benzene	6.14	78	357924	53.594	ug/l	100
41) Methacrylonitrile	5.04	41	103263	57.696	ug/l	99
42) 1,2-Dichloroethane	6.20	62	133977	55.925	ug/l	99
43) Isopropyl Acetate	6.45	43	289674	60.232	ug/l	99
44) Trichloroethene	7.21	130	84548	52.367	ug/l	98
45) 1,2-Dichloropropane	7.51	63	103461	54.710	ug/l	99
46) Dibromomethane	7.66	93	59973	54.613	ug/l	100
47) Bromodichloromethane	7.90	83	122489	55.917	ug/l	98
48) Methyl methacrylate	7.77	41	146871	61.555	ug/l	99
49) 1,4-Dioxane	7.74	88	55566	1148.344	ug/l	99
51) 4-Methyl-2-Pentanone	8.64	43	989910	314.911	ug/l	99
52) Toluene	8.79	92	222378	54.778	ug/l	100
53) t-1,3-Dichloropropene	9.04	75	135164	54.653	ug/l	100
54) cis-1,3-Dichloropropene	8.43	75	146147	53.389	ug/l	96
55) 1,1,2-Trichloroethane	9.21	97	93284	56.323	ug/l	96
56) Ethyl methacrylate	9.18	69	174986	59.188	ug/l	98
57) 1,3-Dichloropropane	9.37	76	164453	56.425	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.31	63	346972	221.228	ug/l	99
59) 2-Hexanone	9.49	43	757987	307.022	ug/l	98
60) Dibromochloromethane	9.58	129	93381	57.728	ug/l	99
61) 1,2-Dibromoethane	9.67	107	94279	56.392	ug/l	99
64) Tetrachloroethene	9.34	164	79807	54.442	ug/l	99
65) Chlorobenzene	10.14	112	231901	54.245	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.22	131	86726	55.957	ug/l	100
67) Ethyl Benzene	10.25	91	427788	54.373	ug/l	100
68) m/p-Xylenes	10.36	106	314027	109.223	ug/l	99
69) o-Xylene	10.69	106	153731	54.193	ug/l	99
70) Styrene	10.71	104	273534	55.479	ug/l	99
71) Bromoform	10.86	173	72653	57.683	ug/l #	100
73) Isopropylbenzene	11.02	105	411407	53.605	ug/l	99
74) N-amyl acetate	10.90	43	258590	57.792	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.27	83	159089	55.605	ug/l	99
76) 1,2,3-Trichloropropane	11.29	75	135129m	55.196	ug/l	
77) Bromobenzene	11.26	156	103574	54.372	ug/l	99
78) n-propylbenzene	11.36	91	469467	53.562	ug/l	99
79) 2-Chlorotoluene	11.42	91	284483	52.609	ug/l	99
80) 1,3,5-Trimethylbenzene	11.51	105	348226	53.887	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.07	75	47805	49.963	ug/l	97
82) 4-Chlorotoluene	11.51	91	328473	53.769	ug/l	99
83) tert-Butylbenzene	11.77	119	335460	53.363	ug/l	99
84) 1,2,4-Trimethylbenzene	11.80	105	353241	54.459	ug/l	100
85) sec-Butylbenzene	11.94	105	396295	53.173	ug/l	100
86) p-Isopropyltoluene	12.06	119	362951	54.171	ug/l	100
87) 1,3-Dichlorobenzene	12.02	146	179296	52.799	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	180874	52.831	ug/l	100
89) n-Butylbenzene	12.38	91	321627	53.110	ug/l	99
90) Hexachloroethane	12.60	117	62811	55.026	ug/l	98
91) 1,2-Dichlorobenzene	12.39	146	183927	53.176	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	13.00	75	36916	57.518	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	126566	53.511	ug/l	100
94) Hexachlorobutadiene	13.78	225	62857	52.041	ug/l	100
95) Naphthalene	13.83	128	435865	56.641	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	130915	54.603	ug/l	100

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

