

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX081718\
 Data File : VX004121.D
 Acq On : 17 Aug 2018 08:27
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 8/20/2018 10:04:04 AM

Quant Time: Aug 18 01:48:36 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X081418W.M
 Quant Title : SW846 8260
 QLast Update : Tue Aug 14 13:27:25 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	308750	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	439302	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	416872	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	270323	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.07	65	211997	48.73	ug/l	0.00
Spiked Amount			Recovery	=	97.46%	
35) Dibromofluoromethane	5.50	113	171392	52.13	ug/l	0.00
Spiked Amount			Recovery	=	104.26%	
50) Toluene-d8	8.71	98	701965	52.66	ug/l	0.00
Spiked Amount			Recovery	=	105.32%	
62) 4-Bromofluorobenzene	11.14	95	243074	50.28	ug/l	0.00
Spiked Amount			Recovery	=	100.56%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.20	85	153605	51.11	ug/l	100
3) Chloromethane	1.32	50	218010	59.11	ug/l	99
4) Vinyl Chloride	1.41	62	189586	47.51	ug/l	99
5) Bromomethane	1.64	94	88792	43.89	ug/l	100
6) Chloroethane	1.72	64	133223	50.78	ug/l	96
7) Trichlorofluoromethane	1.93	101	276173	49.33	ug/l	99
8) Diethyl Ether	2.19	74	117078	47.91	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	2.39	101	174503	49.97	ug/l	100
10) Methyl Iodide	2.51	142	121374	34.29	ug/l	100
11) Tert butyl alcohol	3.04	59	198645	226.76	ug/l	99
12) 1,1-Dichloroethene	2.38	96	157242	48.41	ug/l	96
13) Acrolein	2.29	56	93292	161.04	ug/l	100
14) Allyl chloride	2.73	41	291183	47.12	ug/l	96
15) Acrylonitrile	3.14	53	506862	232.06	ug/l	99
16) Acetone	2.44	43	581252	256.99	ug/l	100
17) Carbon Disulfide	2.57	76	442403	48.02	ug/l	100
18) Methyl Acetate	2.77	43	247830	49.31	ug/l	98
19) Methyl tert-butyl Ether	3.20	73	541230	47.30	ug/l	99
20) Methylene Chloride	2.86	84	188114	50.90	ug/l	98
21) trans-1,2-Dichloroethene	3.17	96	175221	47.50	ug/l	97
22) Diisopropyl ether	3.86	45	562806	46.47	ug/l #	90
23) Vinyl Acetate	3.82	43	2428537	244.16	ug/l	100
24) 1,1-Dichloroethane	3.70	63	349164	50.90	ug/l	100
25) 2-Butanone	4.70	43	871962	236.95	ug/l	99
26) 2,2-Dichloropropane	4.59	77	262751	48.18	ug/l	99
27) cis-1,2-Dichloroethene	4.60	96	200619	48.37	ug/l	97
28) Bromochloromethane	5.02	49	147842	46.98	ug/l	97
29) Tetrahydrofuran	5.15	42	409893	218.01	ug/l	99
30) Chloroform	5.21	83	319021	47.65	ug/l	99
31) Cyclohexane	5.58	56	278762	46.36	ug/l	99
32) 1,1,1-Trichloroethane	5.50	97	273951	48.97	ug/l	98
36) 1,1-Dichloropropene	5.80	75	252733	50.56	ug/l	100
37) Ethyl Acetate	4.85	43	255772	46.98	ug/l	99
38) Carbon Tetrachloride	5.78	117	253655	52.23	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	305288	53.83	ug/l	98
40) Benzene	6.14	78	761536	50.73	ug/l	98
41) Methacrylonitrile	5.06	41	139932	45.90	ug/l	99
42) 1,2-Dichloroethane	6.20	62	258987	49.29	ug/l	100
43) Isopropyl Acetate	6.46	43	389489	48.54	ug/l	100
44) Trichloroethene	7.21	130	208069	51.06	ug/l	94
45) 1,2-Dichloropropane	7.52	63	200667	52.22	ug/l	100
46) Dibromomethane	7.67	93	130477	51.96	ug/l	99
47) Bromodichloromethane	7.90	83	256372	53.90	ug/l	99
48) Methyl methacrylate	7.77	41	213359	52.82	ug/l	98
49) 1,4-Dioxane	7.76	88	93790	1031.33	ug/l	98
51) 4-Methyl-2-Pentanone	8.65	43	1735491	263.78	ug/l	100
52) Toluene	8.79	92	509208	53.64	ug/l	100
53) t-1,3-Dichloropropene	9.04	75	281894	54.86	ug/l	100
54) cis-1,3-Dichloropropene	8.44	75	309657	54.42	ug/l	98
55) 1,1,2-Trichloroethane	9.21	97	203686	51.96	ug/l	99
56) Ethyl methacrylate	9.18	69	291107	54.61	ug/l	99
57) 1,3-Dichloropropane	9.37	76	341177	52.45	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.32	63	742680	273.59	ug/l	99
59) 2-Hexanone	9.50	43	1337074	270.03	ug/l	100
60) Dibromochloromethane	9.59	129	207801	55.08	ug/l	100
61) 1,2-Dibromoethane	9.67	107	212983	53.29	ug/l	99
64) Tetrachloroethene	9.34	164	200294	50.69	ug/l	95
65) Chlorobenzene	10.14	112	538224	49.98	ug/l	93
66) 1,1,1,2-Tetrachloroethane	10.22	131	194908	53.07	ug/l	99
67) Ethyl Benzene	10.25	91	895855	52.54	ug/l	97
68) m/p-Xylenes	10.36	106	720220	107.86	ug/l	97
69) o-Xylene	10.70	106	334786	52.46	ug/l	95
70) Styrene	10.71	104	562681	52.39	ug/l	99
71) Bromoform	10.86	173	150654	51.73	ug/l	100
73) Isopropylbenzene	11.02	105	930150	50.85	ug/l	96
74) N-amyl acetate	6.46	43	389489	45.27	ug/l #	100
75) 1,1,2,2-Tetrachloroethane	11.27	83	308523	48.29	ug/l	99
76) 1,2,3-Trichloropropane	11.30	75	276196m	50.95	ug/l	
77) Bromobenzene	11.26	156	247774	49.13	ug/l	99
78) n-propylbenzene	11.36	91	1102477	53.85	ug/l	99
79) 2-Chlorotoluene	11.42	91	626300	50.20	ug/l	99
80) 1,3,5-Trimethylbenzene	11.51	105	768556	51.31	ug/l	97
81) trans-1,4-Dichloro-2-buten	11.07	75	86352	49.31	ug/l	100
82) 4-Chlorotoluene	11.51	91	724014	49.09	ug/l	98
83) tert-Butylbenzene	11.77	119	775902	51.38	ug/l	98
84) 1,2,4-Trimethylbenzene	11.80	105	809305	52.17	ug/l	99
85) sec-Butylbenzene	11.94	105	964293	54.55	ug/l	98
86) p-Isopropyltoluene	12.07	119	839980	52.49	ug/l	99
87) 1,3-Dichlorobenzene	12.02	146	452084	47.00	ug/l	97
88) 1,4-Dichlorobenzene	12.10	146	477792	48.27	ug/l	99
89) n-Butylbenzene	12.39	91	729935	57.89	ug/l	98
90) Hexachloroethane	12.60	117	126282	52.74	ug/l	99
91) 1,2-Dichlorobenzene	12.39	146	471060	54.31	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	13.00	75	55819	49.72	ug/l	94

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	320203	54.00	ug/l	96
94) Hexachlorobutadiene	13.79	225	157839	53.10	ug/l	99
95) Naphthalene	13.83	128	986604	52.15	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	353778	54.72	ug/l	97

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

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