

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX061918\
 Data File : VX002731.D
 Acq On : 19 Jun 2018 23:24
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 6/20/2018 6:26:57 PM

Quant Time: Jun 20 02:20:10 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X061518W.M
 Quant Title : SW846 8260
 QLast Update : Sat Jun 16 01:37:33 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	232308	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	326678	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	318336	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	205403	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	151853	43.02	ug/l	0.00
Spiked Amount						
			Recovery	=	86.04%	
35) Dibromofluoromethane	5.51	113	122581	47.02	ug/l	0.00
Spiked Amount						
			Recovery	=	94.04%	
50) Toluene-d8	8.72	98	448685	45.32	ug/l	0.00
Spiked Amount						
			Recovery	=	90.64%	
62) 4-Bromofluorobenzene	11.14	95	172904	46.09	ug/l	0.00
Spiked Amount						
			Recovery	=	92.18%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.20	85	116689	47.32	ug/l	98
3) Chloromethane	1.32	50	123590	42.13	ug/l	100
4) Vinyl Chloride	1.41	62	136407	44.81	ug/l	98
5) Bromomethane	1.64	94	64209	34.96	ug/l	100
6) Chloroethane	1.71	64	93362	46.53	ug/l	99
7) Trichlorofluoromethane	1.92	101	233689	47.25	ug/l	98
8) Diethyl Ether	2.19	74	83220	44.24	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	2.38	101	127446	46.10	ug/l	98
10) Methyl Iodide	2.51	142	134420	37.48	ug/l	100
11) Tert butyl alcohol	3.09	59	173691	238.00	ug/l	98
12) 1,1-Dichloroethene	2.37	96	118465	45.64	ug/l	96
13) Acrolein	2.30	56	107819	313.35	ug/l	100
14) Allyl chloride	2.73	41	228536	44.34	ug/l	99
15) Acrylonitrile	3.15	53	368427	231.35	ug/l	100
16) Acetone	2.45	43	349109	224.15	ug/l	99
17) Carbon Disulfide	2.57	76	307444	49.94	ug/l	100
18) Methyl Acetate	2.78	43	197348	47.56	ug/l	98
19) Methyl tert-butyl Ether	3.21	73	431205	44.28	ug/l	99
20) Methylene Chloride	2.85	84	133183	41.70	ug/l	97
21) trans-1,2-Dichloroethene	3.17	96	127327	45.22	ug/l	97
22) Diisopropyl ether	3.88	45	424286	45.50	ug/l	97
23) Vinyl Acetate	3.83	43	1818600	233.02	ug/l	99
24) 1,1-Dichloroethane	3.70	63	246794	48.76	ug/l	99
25) 2-Butanone	4.71	43	500469	244.68	ug/l	97
26) 2,2-Dichloropropane	4.59	77	127538	35.07	ug/l	96
27) cis-1,2-Dichloroethene	4.60	96	134875	47.07	ug/l	92
28) Bromochloromethane	5.03	49	106118	44.77	ug/l	95
29) Tetrahydrofuran	5.17	42	327530	244.33	ug/l	98
30) Chloroform	5.22	83	238570	48.88	ug/l	96
31) Cyclohexane	5.57	56	194200	46.61	ug/l	96
32) 1,1,1-Trichloroethane	5.49	97	206896	50.69	ug/l	99
36) 1,1-Dichloropropene	5.80	75	170781	49.22	ug/l	99
37) Ethyl Acetate	4.87	43	194582	49.55	ug/l	99
38) Carbon Tetrachloride	5.79	117	187801	54.36	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	196061	48.34	ug/l	98
40) Benzene	6.15	78	507926	48.82	ug/l	99
41) Methacrylonitrile	5.07	41	110886	50.01	ug/l	98
42) 1,2-Dichloroethane	6.20	62	200126	49.69	ug/l	100
43) Isopropyl Acetate	6.48	43	318172	48.90	ug/l	100
44) Trichloroethene	7.21	130	148330	49.40	ug/l	100
45) 1,2-Dichloropropane	7.52	63	134964	49.29	ug/l	97
46) Dibromomethane	7.67	93	94070	51.36	ug/l	99
47) Bromodichloromethane	7.90	83	173988	53.86	ug/l	97
48) Methyl methacrylate	7.78	41	163135	49.07	ug/l	96
49) 1,4-Dioxane	7.76	88	68923	1094.64	ug/l	96
51) 4-Methyl-2-Pentanone	8.65	43	1066816	255.37	ug/l	99
52) Toluene	8.79	92	330006	49.73	ug/l	99
53) t-1,3-Dichloropropene	8.44	75	193802	45.55	ug/l	98
54) cis-1,3-Dichloropropene	9.04	75	179384	44.36	ug/l	99
55) 1,1,2-Trichloroethane	9.22	97	137355	51.22	ug/l	98
56) Ethyl methacrylate	9.19	69	207060	50.18	ug/l	98
57) 1,3-Dichloropropane	9.38	76	222281	49.01	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.32	63	453132	227.03	ug/l	98
59) 2-Hexanone	9.50	43	820800	260.74	ug/l	98
60) Dibromochloromethane	9.59	129	143369	47.72	ug/l	99
61) 1,2-Dibromoethane	9.68	107	144685	52.10	ug/l	99
64) Tetrachloroethene	9.34	164	165675	46.89	ug/l	97
65) Chlorobenzene	10.14	112	381773	48.83	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.23	131	141136	52.95	ug/l	99
67) Ethyl Benzene	10.26	91	645792	48.97	ug/l	99
68) m/p-Xylenes	10.36	106	508288	99.93	ug/l	98
69) o-Xylene	10.70	106	248417	49.71	ug/l	98
70) Styrene	10.71	104	418542	50.93	ug/l	99
71) Bromoform	10.86	173	113972	47.26	ug/l #	98
73) Isopropylbenzene	11.02	105	666155	48.49	ug/l	99
74) N-amyl acetate	6.48	43	318172	46.62	ug/l #	100
75) 1,1,2,2-Tetrachloroethane	11.27	83	207354	51.11	ug/l	100
76) 1,2,3-Trichloropropane	11.30	75	200415m	51.71	ug/l	
77) Bromobenzene	11.26	156	185603	48.50	ug/l	97
78) n-propylbenzene	11.37	91	753567	47.83	ug/l	99
79) 2-Chlorotoluene	11.43	91	450894	47.93	ug/l	99
80) 1,3,5-Trimethylbenzene	11.51	105	563477	48.54	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.08	75	49312	41.49	ug/l	98
82) 4-Chlorotoluene	11.51	91	540675	48.71	ug/l	100
83) tert-Butylbenzene	11.77	119	555604	49.68	ug/l	98
84) 1,2,4-Trimethylbenzene	11.81	105	585319	49.41	ug/l	98
85) sec-Butylbenzene	11.95	105	672556	48.36	ug/l	100
86) p-Isopropyltoluene	12.07	119	610784	48.54	ug/l	100
87) 1,3-Dichlorobenzene	12.03	146	338016	48.16	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	344208	48.20	ug/l	99
89) n-Butylbenzene	12.39	91	521501	46.98	ug/l	99
90) Hexachloroethane	12.60	117	88250	45.26	ug/l	99
91) 1,2-Dichlorobenzene	12.40	146	344893	48.82	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.01	75	47108	55.44	ug/l	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	249588	48.68	ug/l	99
94) Hexachlorobutadiene	13.79	225	126640	46.89	ug/l	99
95) Naphthalene	13.84	128	724988	52.55	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	253258	49.18	ug/l	100

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

