

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX091018\
 Data File : VX004440.D
 Acq On : 10 Sep 2018 10:42
 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
 9/11/2018 3:06:42 PM

Quant Time: Sep 11 01:29:21 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X082218W.M
 Quant Title : SW846 8260
 QLast Update : Thu Aug 23 05:39:44 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.66	168	368934	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	513534	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	493649	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	314888	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.06	65	207447	43.14	ug/l	0.00
Spiked Amount	50.000		Recovery	=	86.28%	
35) Dibromofluoromethane	5.50	113	185093	48.45	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.90%	
50) Toluene-d8	8.71	98	686304	47.59	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.18%	
62) 4-Bromofluorobenzene	11.14	95	245576	45.64	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.28%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	164243	38.44	ug/l	97
3) Chloromethane	1.32	50	187304	39.72	ug/l	100
4) Vinyl Chloride	1.41	62	207512	42.93	ug/l	99
5) Bromomethane	1.64	94	85534	35.30	ug/l	99
6) Chloroethane	1.72	64	140926	40.52	ug/l	97
7) Trichlorofluoromethane	1.93	101	291137	43.95	ug/l	95
8) Diethyl Ether	2.19	74	131770	46.45	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	2.39	101	193138	46.55	ug/l	99
10) Methyl Iodide	2.51	142	191864	41.75	ug/l	98
11) Tert butyl alcohol	3.06	59	199927	195.05	ug/l	100
12) 1,1-Dichloroethene	2.37	96	170467	43.62	ug/l	99
13) Acrolein	2.29	56	45585	184.47	ug/l	95
14) Allyl chloride	2.73	41	343272	47.80	ug/l	97
15) Acrylonitrile	3.14	53	553804	218.16	ug/l	100
16) Acetone	2.44	43	467178	237.60	ug/l	98
17) Carbon Disulfide	2.57	76	435502	40.28	ug/l	99
18) Methyl Acetate	2.78	43	412218	57.77	ug/l	99
19) Methyl tert-butyl Ether	3.20	73	609352	47.31	ug/l	98
20) Methylene Chloride	2.85	84	203629	43.99	ug/l	99
21) trans-1,2-Dichloroethene	3.17	96	186386	43.08	ug/l	98
22) Diisopropyl ether	3.87	45	662353	49.40	ug/l	98
23) Vinyl Acetate	3.82	43	2457138	226.12	ug/l	99
24) 1,1-Dichloroethane	3.70	63	369933	47.34	ug/l	99
25) 2-Butanone	4.69	43	702425	217.64	ug/l	97
26) 2,2-Dichloropropane	4.58	77	290715	47.44	ug/l	99
27) cis-1,2-Dichloroethene	4.59	96	219010	44.64	ug/l	99
28) Bromochloromethane	5.01	49	180102	52.06	ug/l	97
29) Tetrahydrofuran	5.15	42	440394	213.16	ug/l	98
30) Chloroform	5.21	83	358019	45.70	ug/l	98
31) Cyclohexane	5.57	56	302254	44.83	ug/l	97
32) 1,1,1-Trichloroethane	5.49	97	297907	45.60	ug/l	99
36) 1,1-Dichloropropene	5.80	75	267222	46.29	ug/l	99
37) Ethyl Acetate	4.85	43	250686	44.15	ug/l	100
38) Carbon Tetrachloride	5.78	117	259844	47.84	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	322149	48.87	ug/l	98
40) Benzene	6.14	78	817159	47.37	ug/l	99
41) Methacrylonitrile	5.06	41	154848	47.05	ug/l	99
42) 1,2-Dichloroethane	6.20	62	269298	45.76	ug/l	99
43) Isopropyl Acetate	6.46	43	411882	47.21	ug/l	99
44) Trichloroethene	7.21	130	228006	47.75	ug/l	99
45) 1,2-Dichloropropane	7.51	63	216366	50.11	ug/l	100
46) Dibromomethane	7.66	93	133913	46.58	ug/l	98
47) Bromodichloromethane	7.90	83	267657	50.04	ug/l	96
48) Methyl methacrylate	7.77	41	225864	48.38	ug/l	98
49) 1,4-Dioxane	7.75	88	90437	853.23	ug/l	96
51) 4-Methyl-2-Pentanone	8.65	43	1403053	221.33	ug/l	100
52) Toluene	8.79	92	524953	48.61	ug/l	100
53) t-1,3-Dichloropropene	9.04	75	304820	51.59	ug/l	98
54) cis-1,3-Dichloropropene	8.43	75	334997	52.05	ug/l	98
55) 1,1,2-Trichloroethane	9.21	97	214898	49.30	ug/l	98
56) Ethyl methacrylate	9.18	69	307772	51.86	ug/l	97
57) 1,3-Dichloropropane	9.37	76	357827	48.70	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.31	63	662315	217.83	ug/l	99
59) 2-Hexanone	9.49	43	1100858	227.63	ug/l	100
60) Dibromochloromethane	9.59	129	220614	51.95	ug/l	99
61) 1,2-Dibromoethane	9.67	107	214913	47.64	ug/l	99
64) Tetrachloroethene	9.34	164	256178	52.53	ug/l	100
65) Chlorobenzene	10.14	112	589346	47.57	ug/l	96
66) 1,1,1,2-Tetrachloroethane	10.22	131	205549	48.10	ug/l	98
67) Ethyl Benzene	10.25	91	969792	48.20	ug/l	99
68) m/p-Xylenes	10.36	106	763735	97.07	ug/l	99
69) o-Xylene	10.70	106	366221	49.21	ug/l	97
70) Styrene	10.71	104	615044	51.04	ug/l	100
71) Bromoform	10.86	173	164402	47.73	ug/l	98
73) Isopropylbenzene	11.02	105	989883	47.86	ug/l	99
74) N-amyl acetate	10.90	43	363578	45.66	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.27	83	283939	39.23	ug/l	99
76) 1,2,3-Trichloropropane	11.30	75	270936m	42.31	ug/l	
77) Bromobenzene	11.26	156	252330	43.49	ug/l	95
78) n-propylbenzene	11.36	91	1115331	46.89	ug/l	99
79) 2-Chlorotoluene	11.42	91	667909	45.62	ug/l	100
80) 1,3,5-Trimethylbenzene	11.51	105	851306	49.71	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.07	75	90068	45.63	ug/l	94
82) 4-Chlorotoluene	11.51	91	816658	47.40	ug/l	99
83) tert-Butylbenzene	11.77	119	842695	48.90	ug/l	99
84) 1,2,4-Trimethylbenzene	11.81	105	881959	50.17	ug/l	100
85) sec-Butylbenzene	11.94	105	1084975	53.03	ug/l	100
86) p-Isopropyltoluene	12.07	119	988788	53.93	ug/l	99
87) 1,3-Dichlorobenzene	12.02	146	516001	47.24	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	522468	45.37	ug/l	99
89) n-Butylbenzene	12.39	91	879415	58.99	ug/l	100
90) Hexachloroethane	12.60	117	142558	55.63	ug/l	97
91) 1,2-Dichlorobenzene	12.39	146	520341	52.12	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.00	75	57417	45.04	ug/l	92

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	376366	51.82	ug/l	98
94) Hexachlorobutadiene	13.79	225	188942	55.93	ug/l	95
95) Naphthalene	13.83	128	1043620	50.80	ug/l	99
96) 1,2,3-Trichlorobenzene	14.02	180	380034	49.42	ug/l	98

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

