

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX083018\
 Data File : VX004317.D
 Acq On : 30 Aug 2018 12:00
 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
 8/31/2018 4:29:02 PM

Quant Time: Aug 30 15:22:31 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	327704	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	454485	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	419988	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	272859	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.06	65	206695	48.39	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.78%	
35) Dibromofluoromethane	5.49	113	180364	53.35	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.70%	
50) Toluene-d8	8.71	98	676995	53.05	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.10%	
62) 4-Bromofluorobenzene	11.14	95	258444	54.27	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.54%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	170191	44.84	ug/l	97
3) Chloromethane	1.32	50	178277	42.54	ug/l	99
4) Vinyl Chloride	1.40	62	189416	44.11	ug/l	100
5) Bromomethane	1.64	94	90717	42.56	ug/l	99
6) Chloroethane	1.72	64	124736	40.36	ug/l	98
7) Trichlorofluoromethane	1.92	101	257593	43.78	ug/l	95
8) Diethyl Ether	2.18	74	111542	44.27	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	2.38	101	165426	44.89	ug/l	99
10) Methyl Iodide	2.51	142	174020	42.54	ug/l	98
11) Tert butyl alcohol	3.06	59	186958	205.34	ug/l	100
12) 1,1-Dichloroethene	2.37	96	147905	42.60	ug/l	98
13) Acrolein	2.29	56	38048	173.34	ug/l	100
14) Allyl chloride	2.72	41	285066	44.69	ug/l	99
15) Acrylonitrile	3.15	53	485470	215.31	ug/l	100
16) Acetone	2.44	43	550541	317.95	ug/l	100
17) Carbon Disulfide	2.57	76	389486	40.55	ug/l	99
18) Methyl Acetate	2.77	43	329640	52.01	ug/l	100
19) Methyl tert-butyl Ether	3.20	73	510196	44.59	ug/l	96
20) Methylene Chloride	2.86	84	174761	42.50	ug/l	95
21) trans-1,2-Dichloroethene	3.16	96	160614	41.80	ug/l	98
22) Diisopropyl ether	3.87	45	542789	45.58	ug/l	97
23) Vinyl Acetate	3.82	43	2142610	221.98	ug/l	99
24) 1,1-Dichloroethane	3.69	63	308414	44.44	ug/l	99
25) 2-Butanone	4.70	43	714926	249.80	ug/l	97
26) 2,2-Dichloropropane	4.58	77	248519	45.65	ug/l	100
27) cis-1,2-Dichloroethene	4.59	96	189569	43.50	ug/l	100
28) Bromochloromethane	5.01	49	149484	48.65	ug/l	97
29) Tetrahydrofuran	5.15	42	401681	218.89	ug/l	100
30) Chloroform	5.21	83	310070	44.56	ug/l	99
31) Cyclohexane	5.57	56	264671	44.20	ug/l	96
32) 1,1,1-Trichloroethane	5.49	97	259380	44.70	ug/l	99
36) 1,1-Dichloropropene	5.79	75	235160	46.02	ug/l	99
37) Ethyl Acetate	4.85	43	231006	45.97	ug/l	100
38) Carbon Tetrachloride	5.78	117	229053	47.65	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	270334	46.34	ug/l	99
40) Benzene	6.14	78	712132	46.64	ug/l	100
41) Methacrylonitrile	5.06	41	140318	48.17	ug/l	98
42) 1,2-Dichloroethane	6.20	62	239325	45.96	ug/l	99
43) Isopropyl Acetate	6.46	43	367898	47.65	ug/l	100
44) Trichloroethene	7.21	130	191604	45.34	ug/l	97
45) 1,2-Dichloropropane	7.51	63	184759	48.35	ug/l	98
46) Dibromomethane	7.66	93	116897	45.95	ug/l	99
47) Bromodichloromethane	7.90	83	230675	48.73	ug/l	99
48) Methyl methacrylate	7.77	41	199264	48.23	ug/l	99
49) 1,4-Dioxane	7.75	88	84090	896.42	ug/l	100
51) 4-Methyl-2-Pentanone	8.65	43	1266024	225.66	ug/l	100
52) Toluene	8.79	92	454398	47.55	ug/l	99
53) t-1,3-Dichloropropene	9.04	75	257750	49.29	ug/l	98
54) cis-1,3-Dichloropropene	8.43	75	283509	49.78	ug/l	99
55) 1,1,2-Trichloroethane	9.21	97	184543	47.83	ug/l	99
56) Ethyl methacrylate	9.18	69	263883	50.25	ug/l	99
57) 1,3-Dichloropropane	9.37	76	309874	47.65	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.31	63	1062184	394.73	ug/l	99
59) 2-Hexanone	9.49	43	1016348	237.46	ug/l	100
60) Dibromochloromethane	9.59	129	184942	49.20	ug/l	100
61) 1,2-Dibromoethane	9.67	107	190240	47.65	ug/l	98
64) Tetrachloroethene	9.34	164	189263	45.62	ug/l	99
65) Chlorobenzene	10.14	112	476623	45.22	ug/l	93
66) 1,1,1,2-Tetrachloroethane	10.22	131	174454	47.99	ug/l	99
67) Ethyl Benzene	10.25	91	840987	49.13	ug/l	99
68) m/p-Xylenes	10.36	106	655363	97.91	ug/l	100
69) o-Xylene	10.70	106	324529	51.26	ug/l	95
70) Styrene	10.71	104	540986	52.77	ug/l	99
71) Bromoform	10.86	173	143626	49.01	ug/l	99
73) Isopropylbenzene	11.02	105	886281	49.45	ug/l	100
74) N-amyl acetate	10.90	43	325460	47.17	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.27	83	284180	45.31	ug/l	100
76) 1,2,3-Trichloropropane	11.30	75	260030m	46.86	ug/l	
77) Bromobenzene	11.26	156	229628	45.68	ug/l	98
78) n-propylbenzene	11.36	91	1020742	49.52	ug/l	100
79) 2-Chlorotoluene	11.42	91	599054	47.22	ug/l	99
80) 1,3,5-Trimethylbenzene	11.51	105	725696	48.90	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.07	75	83299	48.70	ug/l	98
82) 4-Chlorotoluene	11.51	91	709963	47.56	ug/l	99
83) tert-Butylbenzene	11.77	119	733447	49.12	ug/l	99
84) 1,2,4-Trimethylbenzene	11.80	105	764654	50.19	ug/l	100
85) sec-Butylbenzene	11.94	105	886342	50.00	ug/l	100
86) p-Isopropyltoluene	12.07	119	805339	50.69	ug/l	100
87) 1,3-Dichlorobenzene	12.02	146	441994	46.70	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	446117	44.70	ug/l	100
89) n-Butylbenzene	12.39	91	663734	51.38	ug/l	100
90) Hexachloroethane	12.60	117	112725	50.76	ug/l	100
91) 1,2-Dichlorobenzene	12.39	146	415065	47.98	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	13.00	75	52750	47.75	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	285313	45.33	ug/l	96
94) Hexachlorobutadiene	13.79	225	135779	46.36	ug/l	94
95) Naphthalene	13.83	128	867829	48.75	ug/l	99
96) 1,2,3-Trichlorobenzene	14.02	180	321756	48.29	ug/l	98

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

