

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX071618\
 Data File : VX003397.D
 Acq On : 16 Jul 2018 16:27
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 7/17/2018 1:46:35 PM

Quant Time: Jul 17 02:07:16 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X071618W.M
 Quant Title : SW846 8260
 QLast Update : Mon Jul 16 13:15:28 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	367081	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	508821	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	475320	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.09	152	295837	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.07	65	218805	45.52	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.04%	
35) Dibromofluoromethane	5.51	113	196288	47.68	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.36%	
50) Toluene-d8	8.72	98	758184	49.90	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.80%	
62) 4-Bromofluorobenzene	11.14	95	278383	51.32	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.64%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	199536	48.16	ug/l	99
3) Chloromethane	1.32	50	197899	44.13	ug/l	98
4) Vinyl Chloride	1.40	62	221649	45.36	ug/l	100
5) Bromomethane	1.64	94	97719	59.35	ug/l	99
6) Chloroethane	1.72	64	131589	48.59	ug/l	99
7) Trichlorofluoromethane	1.92	101	293344	45.25	ug/l	98
8) Diethyl Ether	2.19	74	121880	43.94	ug/l	92
9) 1,1,2-Trichlorotrifluoroet	2.38	101	190111	46.43	ug/l	97
10) Methyl Iodide	2.51	142	202529	46.24	ug/l	93
11) Tert butyl alcohol	3.09	59	233537	216.02	ug/l	100
12) 1,1-Dichloroethene	2.37	96	171772	44.39	ug/l	91
13) Acrolein	2.29	56	107167	206.65	ug/l	99
14) Allyl chloride	2.73	41	319096	45.46	ug/l	86
15) Acrylonitrile	3.15	53	549193	221.73	ug/l	98
16) Acetone	2.45	43	441150	220.63	ug/l #	88
17) Carbon Disulfide	2.56	76	469455	44.22	ug/l	98
18) Methyl Acetate	2.78	43	314593	48.31	ug/l	94
19) Methyl tert-butyl Ether	3.21	73	571405	44.47	ug/l	100
20) Methylene Chloride	2.86	84	191667	53.55	ug/l	91
21) trans-1,2-Dichloroethene	3.16	96	182813	43.74	ug/l	95
22) Diisopropyl ether	3.88	45	594034	43.63	ug/l	95
23) Vinyl Acetate	3.83	43	2470389	220.01	ug/l	96
24) 1,1-Dichloroethane	3.70	63	338694	43.85	ug/l	99
25) 2-Butanone	4.72	43	707506	226.10	ug/l	92
26) 2,2-Dichloropropane	4.59	77	266509	49.16	ug/l	95
27) cis-1,2-Dichloroethene	4.60	96	204334	45.44	ug/l	87
28) Bromochloromethane	5.02	49	144343	43.05	ug/l	87
29) Tetrahydrofuran	5.18	42	459414	231.50	ug/l	91
30) Chloroform	5.22	83	325065	45.67	ug/l	98
31) Cyclohexane	5.57	56	286732	48.07	ug/l	96
32) 1,1,1-Trichloroethane	5.49	97	279204	46.12	ug/l	97
36) 1,1-Dichloropropene	5.80	75	245772	47.70	ug/l	98
37) Ethyl Acetate	4.87	43	265352	45.70	ug/l	95
38) Carbon Tetrachloride	5.78	117	251616	47.99	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	301719	51.15	ug/l	95
40) Benzene	6.15	78	749165	47.79	ug/l	100
41) Methacrylonitrile	5.07	41	150115	47.01	ug/l	92
42) 1,2-Dichloroethane	6.20	62	243692	45.33	ug/l	94
43) Isopropyl Acetate	6.48	43	417025	47.59	ug/l	93
44) Trichloroethene	7.21	130	218484	48.11	ug/l	99
45) 1,2-Dichloropropane	7.52	63	193063	47.34	ug/l	99
46) Dibromomethane	7.67	93	127276	46.87	ug/l	96
47) Bromodichloromethane	7.90	83	239777	48.22	ug/l	98
48) Methyl methacrylate	7.79	41	218068	48.78	ug/l	85
49) 1,4-Dioxane	7.77	88	96542	943.13	ug/l	95
51) 4-Methyl-2-Pentanone	8.66	43	1410896	244.58	ug/l	91
52) Toluene	8.79	92	480941	49.00	ug/l	99
53) t-1,3-Dichloropropene	8.44	75	299465	51.00	ug/l	100
54) cis-1,3-Dichloropropene	9.05	75	271889	50.74	ug/l #	87
55) 1,1,2-Trichloroethane	9.22	97	195872	47.76	ug/l	98
56) Ethyl methacrylate	9.19	69	289690	49.89	ug/l #	83
57) 1,3-Dichloropropane	9.38	76	316745	48.07	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.32	63	794236	272.78	ug/l	97
59) 2-Hexanone	9.51	43	1097362	247.59	ug/l	89
60) Dibromochloromethane	9.59	129	201346	49.41	ug/l	100
61) 1,2-Dibromoethane	9.68	107	205572	48.63	ug/l	100
64) Tetrachloroethene	9.34	164	241961	48.66	ug/l	97
65) Chlorobenzene	10.14	112	549954	48.98	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.23	131	198236	49.67	ug/l	99
67) Ethyl Benzene	10.26	91	923118	50.30	ug/l	99
68) m/p-Xylenes	10.36	106	731319	103.02	ug/l	96
69) o-Xylene	10.70	106	350856	51.46	ug/l	96
70) Styrene	10.71	104	586270	52.24	ug/l	97
71) Bromoform	10.86	173	162199	50.52	ug/l	100
73) Isopropylbenzene	11.02	105	943126	49.79	ug/l	100
74) N-amyl acetate	6.48	43	417025	45.78	ug/l #	93
75) 1,1,2,2-Tetrachloroethane	11.27	83	292218	46.73	ug/l	100
76) 1,2,3-Trichloropropane	11.30	75	296215m	55.31	ug/l	
77) Bromobenzene	11.26	156	257954	47.95	ug/l	97
78) n-propylbenzene	11.37	91	1077763	50.93	ug/l	99
79) 2-Chlorotoluene	11.43	91	631561	48.68	ug/l	98
80) 1,3,5-Trimethylbenzene	11.51	105	788110	50.93	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.08	75	87277	52.94	ug/l	87
82) 4-Chlorotoluene	11.51	91	747868	49.40	ug/l	98
83) tert-Butylbenzene	11.77	119	766419	50.68	ug/l	96
84) 1,2,4-Trimethylbenzene	11.81	105	809343	50.92	ug/l	97
85) sec-Butylbenzene	11.95	105	937762	51.12	ug/l	99
86) p-Isopropyltoluene	12.07	119	855106	52.36	ug/l	98
87) 1,3-Dichlorobenzene	12.03	146	476397	48.38	ug/l	100
88) 1,4-Dichlorobenzene	12.10	146	479249	47.93	ug/l	99
89) n-Butylbenzene	12.39	91	738553	53.09	ug/l	99
90) Hexachloroethane	12.60	117	126070	50.95	ug/l	99
91) 1,2-Dichlorobenzene	12.40	146	478817	48.42	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.01	75	65762	50.56	ug/l	91

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	347159	51.30	ug/l	100
94) Hexachlorobutadiene	13.79	225	174309	53.51	ug/l	99
95) Naphthalene	13.84	128	1019561	52.56	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	350326	50.33	ug/l	99

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

