

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX073018\
 Data File : VX003739.D
 Acq On : 30 Jul 2018 22:43
 Operator : JC/SP
 Sample : MDL07
 Misc : 5.00G/5.0mL/MSVOA X/SOIL
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MDL07

Manual Integrations
 APPROVED

MMDadoda
 8/1/2018 10:40:56 AM

Quant Time: Jul 31 12:16:41 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X073018S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 31 11:17:41 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	103505	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	154574	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	145807	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	78551	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.07	65	59548	56.88	ug/l	0.00
Spiked Amount	50.000		Recovery	=	113.76%	
35) Dibromofluoromethane	5.50	113	47092	51.74	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.48%	
50) Toluene-d8	8.71	98	201742	53.16	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.32%	
62) 4-Bromofluorobenzene	11.14	95	67848	48.49	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.98%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.19	85	1930	2.21	ug/l	98
3) Chloromethane	1.32	50	2895	2.64	ug/l	94
4) Vinyl Chloride	1.40	62	2808	2.38	ug/l	99
5) Bromomethane	1.64	94	2413	1.84	ug/l	99
6) Chloroethane	1.72	64	2040	2.61	ug/l	96
7) Trichlorofluoromethane	1.93	101	3705	2.39	ug/l	91
8) Diethyl Ether	2.19	74	1688	2.88	ug/l	82
9) 1,1,2-Trichlorotrifluoroet	2.38	101	2287	2.33	ug/l	95
10) Methyl Iodide	2.51	142	1406	1.24	ug/l	96
11) Tert butyl alcohol	3.07	59	1832m	10.81	ug/l	
12) 1,1-Dichloroethene	2.37	96	2070	2.24	ug/l	95
13) Acrolein	2.29	56	826	14.89	ug/l	95
14) Allyl chloride	2.73	41	4443	2.71	ug/l	96
15) Acrylonitrile	3.15	53	5031	11.67	ug/l	98
16) Acetone	2.45	43	5852	14.64	ug/l	99
17) Carbon Disulfide	2.57	76	7684	2.55	ug/l	99
18) Methyl Acetate	2.78	43	3966	3.53	ug/l	96
19) Methyl tert-butyl Ether	3.20	73	6465	2.57	ug/l	93
20) Methylene Chloride	2.85	84	5704	2.38	ug/l	94
21) trans-1,2-Dichloroethene	3.16	96	2578	2.54	ug/l	96
22) Diisopropyl ether	3.87	45	7234	2.44	ug/l #	91
23) Vinyl Acetate	3.82	43	20991	9.83	ug/l	98
24) 1,1-Dichloroethane	3.70	63	4217	2.44	ug/l	99
25) 2-Butanone	4.70	43	6698	11.49	ug/l	98
26) 2,2-Dichloropropane	4.59	77	2866	2.11	ug/l	96
27) cis-1,2-Dichloroethene	4.60	96	2569	2.35	ug/l	86
28) Bromochloromethane	5.02	49	1778	2.30	ug/l #	92
29) Tetrahydrofuran	5.15	42	4293	11.56	ug/l	92
30) Chloroform	5.21	83	4234	2.49	ug/l	88
31) Cyclohexane	5.59	56	3496	2.10	ug/l	89
32) 1,1,1-Trichloroethane	5.49	97	3200	2.19	ug/l	96
36) 1,1-Dichloropropene	5.80	75	3138	2.17	ug/l	99
37) Ethyl Acetate	4.86	43	2614	2.35	ug/l	97
38) Carbon Tetrachloride	5.79	117	2800	2.09	ug/l #	83

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	3506	1.97	ug/l	93
40) Benzene	6.15	78	9474	2.28	ug/l	100
41) Methacrylonitrile	5.06	41	1516	2.42	ug/l #	83
42) 1,2-Dichloroethane	6.20	62	3146	2.51	ug/l	93
43) Isopropyl Acetate	6.46	43	3977	2.24	ug/l #	91
44) Trichloroethene	7.21	130	2626	2.22	ug/l	99
45) 1,2-Dichloropropane	7.52	63	2391	2.34	ug/l	97
46) Dibromomethane	7.67	93	1308	2.22	ug/l	96
47) Bromodichloromethane	7.90	83	2438	2.08	ug/l	99
48) Methyl methacrylate	7.78	41	1926	2.17	ug/l	93
49) 1,4-Dioxane	7.76	88	621	34.62	ug/l #	86
51) 4-Methyl-2-Pentanone	8.65	43	11608	10.66	ug/l	95
52) Toluene	8.79	92	6380	2.47	ug/l	97
53) t-1,3-Dichloropropene	9.04	75	3045	2.28	ug/l	99
54) cis-1,3-Dichloropropene	8.44	75	3019	2.02	ug/l	93
55) 1,1,2-Trichloroethane	9.22	97	2189	2.46	ug/l	92
56) Ethyl methacrylate	9.18	69	2553	2.09	ug/l #	92
57) 1,3-Dichloropropane	9.37	76	3631	2.43	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.32	63	5727	24.36	ug/l	96
59) 2-Hexanone	9.50	43	8291	10.00	ug/l	92
60) Dibromochloromethane	9.59	129	1814	2.02	ug/l	96
61) 1,2-Dibromoethane	9.68	107	2208	2.43	ug/l	98
64) Tetrachloroethene	9.34	164	2780	2.43	ug/l	96
65) Chlorobenzene	10.14	112	6650	2.18	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.23	131	2044	2.06	ug/l	97
67) Ethyl Benzene	10.26	91	10709	2.08	ug/l	99
68) m/p-Xylenes	10.36	106	7991	3.97	ug/l	99
69) o-Xylene	10.70	106	3643	1.95	ug/l	91
70) Styrene	10.71	104	5973	1.90	ug/l	97
71) Bromoform	10.86	173	1302	1.91	ug/l #	98
73) Isopropylbenzene	11.02	105	9510	1.93	ug/l	99
74) N-amyl acetate	6.46	43	3977	2.28	ug/l #	56
75) 1,1,2,2-Tetrachloroethane	11.27	83	2711	2.12	ug/l	100
76) 1,2,3-Trichloropropane	11.30	75	2660m	2.46	ug/l	
77) Bromobenzene	11.26	156	3043	2.37	ug/l	93
78) n-propylbenzene	11.36	91	12600	2.11	ug/l	98
79) 2-Chlorotoluene	11.42	91	7520	2.22	ug/l	97
80) 1,3,5-Trimethylbenzene	11.51	105	8386	2.00	ug/l #	67
81) trans-1,4-Dichloro-2-buten	11.08	75	604m	1.65	ug/l	
82) 4-Chlorotoluene	11.51	91	8955	2.18	ug/l	99
83) tert-Butylbenzene	11.77	119	8572	2.06	ug/l	96
84) 1,2,4-Trimethylbenzene	11.81	105	8901	2.06	ug/l	99
85) sec-Butylbenzene	11.94	105	10650	2.01	ug/l	98
86) p-Isopropyltoluene	12.07	119	9167	1.90	ug/l	74
87) 1,3-Dichlorobenzene	12.02	146	6019	2.32	ug/l	98
88) 1,4-Dichlorobenzene	12.10	146	6185	2.34	ug/l	86
89) n-Butylbenzene	12.39	91	9281	2.02	ug/l	99
90) Hexachloroethane	12.60	117	1290	1.80	ug/l	97
91) 1,2-Dichlorobenzene	12.40	146	5355	2.22	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.01	75	530	2.09	ug/l	89

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	4312	2.25	ug/l	97
94) Hexachlorobutadiene	13.79	225	2552	2.08	ug/l	96
95) Naphthalene	13.83	128	7912	1.93	ug/l	98
96) 1,2,3-Trichlorobenzene	14.02	180	3884	2.23	ug/l	97

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

