

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX073018\
 Data File : VX003737.D
 Acq On : 30 Jul 2018 21:52
 Operator : JC/SP
 Sample : MDL05
 Misc : 5.00G/5.0mL/MSVOA X/SOIL
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MDL05

Manual Integrations
 APPROVED

MMDadoda
 8/1/2018 10:40:47 AM

Quant Time: Jul 31 12:10:20 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	92638	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	139554	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	131988	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	74415	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	55155	58.87	ug/l	0.00
Spiked Amount			Recovery	=	117.74%	
35) Dibromofluoromethane	5.50	113	42728	52.00	ug/l	0.00
Spiked Amount			Recovery	=	104.00%	
50) Toluene-d8	8.72	98	176354	51.47	ug/l	0.00
Spiked Amount			Recovery	=	102.94%	
62) 4-Bromofluorobenzene	11.14	95	63629	50.37	ug/l	0.00
Spiked Amount			Recovery	=	100.74%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.20	85	2092	2.68	ug/l	97
3) Chloromethane	1.32	50	2593	2.64	ug/l	99
4) Vinyl Chloride	1.40	62	2462	2.33	ug/l #	84
5) Bromomethane	1.64	94	2138	1.80	ug/l	97
6) Chloroethane	1.72	64	1906	2.73	ug/l	90
7) Trichlorofluoromethane	1.93	101	3334	2.40	ug/l	94
8) Diethyl Ether	2.19	74	1327	2.53	ug/l	87
9) 1,1,2-Trichlorotrifluoroet	2.38	101	2195	2.50	ug/l	98
10) Methyl Iodide	2.51	142	1277	1.26	ug/l	99
11) Tert butyl alcohol	3.07	59	1570m	10.35	ug/l	
12) 1,1-Dichloroethene	2.37	96	1921	2.32	ug/l	92
13) Acrolein	2.29	56	822	16.56	ug/l	95
14) Allyl chloride	2.73	41	3854	2.63	ug/l	93
15) Acrylonitrile	3.15	53	4519	11.71	ug/l	100
16) Acetone	2.45	43	5401	15.09	ug/l	97
17) Carbon Disulfide	2.57	76	6738	2.50	ug/l	99
18) Methyl Acetate	2.79	43	3200	3.18	ug/l	92
19) Methyl tert-butyl Ether	3.20	73	5248	2.33	ug/l	97
20) Methylene Chloride	2.85	84	3972	1.10	ug/l	88
21) trans-1,2-Dichloroethene	3.17	96	2099	2.31	ug/l	89
22) Diisopropyl ether	3.87	45	5936	2.24	ug/l	95
23) Vinyl Acetate	3.82	43	18948	9.91	ug/l	99
24) 1,1-Dichloroethane	3.70	63	3641	2.36	ug/l	97
25) 2-Butanone	4.70	43	6206	11.90	ug/l	100
26) 2,2-Dichloropropane	4.59	77	2402	1.97	ug/l	97
27) cis-1,2-Dichloroethene	4.60	96	2194	2.24	ug/l	86
28) Bromochloromethane	5.02	49	1524	2.20	ug/l #	90
29) Tetrahydrofuran	5.16	42	3814	11.47	ug/l	96
30) Chloroform	5.21	83	3272	2.15	ug/l	90
31) Cyclohexane	5.59	56	3163	2.12	ug/l #	78
32) 1,1,1-Trichloroethane	5.50	97	2808	2.15	ug/l	96
36) 1,1-Dichloropropene	5.80	75	2833	2.17	ug/l	97
37) Ethyl Acetate	4.86	43	2393	2.38	ug/l #	93
38) Carbon Tetrachloride	5.79	117	2462	2.04	ug/l #	83

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	3436	2.14	ug/l	95
40) Benzene	6.15	78	8088	2.16	ug/l	97
41) Methacrylonitrile	5.06	41	1340	2.37	ug/l	90
42) 1,2-Dichloroethane	6.20	62	2674	2.36	ug/l	94
43) Isopropyl Acetate	6.46	43	3446	2.15	ug/l	97
44) Trichloroethene	7.21	130	2331	2.18	ug/l	93
45) 1,2-Dichloropropane	7.52	63	2053	2.23	ug/l	100
46) Dibromomethane	7.66	93	1061	2.00	ug/l	94
47) Bromodichloromethane	7.90	83	2087	1.97	ug/l	96
48) Methyl methacrylate	7.78	41	1692	2.11	ug/l	97
49) 1,4-Dioxane	7.76	88	568	35.08	ug/l #	86
51) 4-Methyl-2-Pentanone	8.65	43	9911	10.08	ug/l	96
52) Toluene	8.79	92	5368	2.30	ug/l	95
53) t-1,3-Dichloropropene	9.05	75	2263	1.87	ug/l #	84
54) cis-1,3-Dichloropropene	8.44	75	2539	1.89	ug/l	93
55) 1,1,2-Trichloroethane	9.22	97	1735	2.16	ug/l	98
56) Ethyl methacrylate	9.18	69	2052	1.86	ug/l #	85
57) 1,3-Dichloropropane	9.37	76	3076	2.28	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.32	63	5166	24.35	ug/l	100
59) 2-Hexanone	9.50	43	7539	10.07	ug/l	90
60) Dibromochloromethane	9.59	129	1492	1.84	ug/l	99
61) 1,2-Dibromoethane	9.68	107	1729	2.11	ug/l	100
64) Tetrachloroethene	9.34	164	2694	2.60	ug/l	89
65) Chlorobenzene	10.14	112	5916	2.14	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.23	131	1731	1.92	ug/l #	64
67) Ethyl Benzene	10.26	91	9436	2.03	ug/l	96
68) m/p-Xylenes	10.36	106	7171	3.94	ug/l	97
69) o-Xylene	10.70	106	3193	1.89	ug/l	97
70) Styrene	10.71	104	4879	1.71	ug/l	96
71) Bromoform	10.86	173	1021	1.65	ug/l #	99
73) Isopropylbenzene	11.02	105	8494	1.82	ug/l	98
74) N-amyl acetate	6.46	43	3446	2.09	ug/l #	55
75) 1,1,2,2-Tetrachloroethane	11.27	83	2508	2.07	ug/l	99
76) 1,2,3-Trichloropropane	11.30	75	2102m	2.05	ug/l	
77) Bromobenzene	11.26	156	2613	2.15	ug/l	98
78) n-propylbenzene	11.36	91	11153	1.98	ug/l	99
79) 2-Chlorotoluene	11.42	91	6780	2.12	ug/l	98
80) 1,3,5-Trimethylbenzene	11.51	105	7422	1.87	ug/l	73
81) trans-1,4-Dichloro-2-buten	11.08	75	560m	1.62	ug/l	
82) 4-Chlorotoluene	11.51	91	7771	2.00	ug/l	99
83) tert-Butylbenzene	11.77	119	7192	1.83	ug/l	93
84) 1,2,4-Trimethylbenzene	11.81	105	7658	1.87	ug/l	97
85) sec-Butylbenzene	11.95	105	9940	1.98	ug/l	98
86) p-Isopropyltoluene	12.07	119	8609	1.88	ug/l	73
87) 1,3-Dichlorobenzene	12.03	146	5295	2.16	ug/l	96
88) 1,4-Dichlorobenzene	12.10	146	5585	2.23	ug/l	85
89) n-Butylbenzene	12.39	91	8889	2.04	ug/l	99
90) Hexachloroethane	12.60	117	1208	1.78	ug/l	97
91) 1,2-Dichlorobenzene	12.40	146	4926	2.15	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	13.01	75	403	1.68	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	3982	2.19	ug/l	100
94) Hexachlorobutadiene	13.79	225	2463	2.12	ug/l	98
95) Naphthalene	13.84	128	7415	1.91	ug/l	99
96) 1,2,3-Trichlorobenzene	14.02	180	3486	2.12	ug/l	99

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

