

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX073018\
 Data File : VX003735.D
 Acq On : 30 Jul 2018 21:02
 Operator : JC/SP
 Sample : MDL03
 Misc : 5.00G/5.0mL/MSVOA X/SOIL
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MDL03

Manual Integrations
 APPROVED

MMDadoda
 8/1/2018 10:40:36 AM

Quant Time: Jul 31 12:03:08 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X073018S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 31 09:43:18 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	107191	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	162486	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	155869	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	85703	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	61429	56.66	ug/l	0.00
Spiked Amount			Recovery	=	113.32%	
35) Dibromofluoromethane	5.50	113	49176	51.40	ug/l	0.00
Spiked Amount			Recovery	=	102.80%	
50) Toluene-d8	8.72	98	205318	51.47	ug/l	0.00
Spiked Amount			Recovery	=	102.94%	
62) 4-Bromofluorobenzene	11.14	95	75966	51.65	ug/l	0.00
Spiked Amount			Recovery	=	103.30%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.20	85	1981	2.19	ug/l	97
3) Chloromethane	1.32	50	2654	2.33	ug/l	96
4) Vinyl Chloride	1.40	62	2470	2.02	ug/l #	87
5) Bromomethane	1.64	94	2259	1.46	ug/l	92
6) Chloroethane	1.72	64	1763	2.05	ug/l	90
7) Trichlorofluoromethane	1.93	101	3366	2.10	ug/l	96
8) Diethyl Ether	2.19	74	1405	2.32	ug/l	79
9) 1,1,2-Trichlorotrifluoroet	2.39	101	2235	2.20	ug/l	98
10) Methyl Iodide	2.51	142	1459	1.25	ug/l	99
11) Tert butyl alcohol	3.07	59	1665m	9.48	ug/l	
12) 1,1-Dichloroethene	2.37	96	1982	2.07	ug/l	90
13) Acrolein	2.30	56	784	13.65	ug/l	99
14) Allyl chloride	2.73	41	4009	2.36	ug/l	94
15) Acrylonitrile	3.15	53	4758	10.66	ug/l	99
16) Acetone	2.45	43	5356	12.93	ug/l	99
17) Carbon Disulfide	2.57	76	6969	2.24	ug/l	95
18) Methyl Acetate	2.78	43	2773	2.38	ug/l	100
19) Methyl tert-butyl Ether	3.21	73	5795	2.22	ug/l	97
20) Methylene Chloride	2.86	84	4859	1.36	ug/l	98
21) trans-1,2-Dichloroethene	3.16	96	2254	2.15	ug/l	89
22) Diisopropyl ether	3.87	45	6492	2.12	ug/l #	94
23) Vinyl Acetate	3.82	43	20522	9.28	ug/l	99
24) 1,1-Dichloroethane	3.70	63	3928	2.20	ug/l	95
25) 2-Butanone	4.70	43	6627	10.98	ug/l	94
26) 2,2-Dichloropropane	4.59	77	2654	1.88	ug/l	100
27) cis-1,2-Dichloroethene	4.60	96	2437	2.15	ug/l	87
28) Bromochloromethane	5.03	49	1765	2.20	ug/l #	94
29) Tetrahydrofuran	5.17	42	4040	10.50	ug/l	94
30) Chloroform	5.22	83	3811	2.16	ug/l	92
31) Cyclohexane	5.57	56	3494	2.02	ug/l	91
32) 1,1,1-Trichloroethane	5.49	97	2942	1.94	ug/l	96
36) 1,1-Dichloropropene	5.80	75	3120	2.05	ug/l	98
37) Ethyl Acetate	4.86	43	2548	2.18	ug/l	98
38) Carbon Tetrachloride	5.79	117	2827	2.01	ug/l	91

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	3907	2.09	ug/l	90
40) Benzene	6.15	78	9130	2.09	ug/l	97
41) Methacrylonitrile	5.06	41	1326	2.01	ug/l #	72
42) 1,2-Dichloroethane	6.20	62	2873	2.18	ug/l	94
43) Isopropyl Acetate	6.47	43	3738	2.01	ug/l	98
44) Trichloroethene	7.22	130	2600	2.09	ug/l	98
45) 1,2-Dichloropropane	7.52	63	2234	2.08	ug/l	95
46) Dibromomethane	7.67	93	1190	1.93	ug/l	95
47) Bromodichloromethane	7.90	83	2394	1.94	ug/l	97
48) Methyl methacrylate	7.78	41	1860	1.99	ug/l	96
49) 1,4-Dioxane	7.76	88	609	32.30	ug/l	96
51) 4-Methyl-2-Pentanone	8.65	43	10945	9.56	ug/l	97
52) Toluene	8.79	92	5873	2.16	ug/l	100
53) t-1,3-Dichloropropene	9.04	75	2539	1.81	ug/l	91
54) cis-1,3-Dichloropropene	8.44	75	2943	1.88	ug/l #	90
55) 1,1,2-Trichloroethane	9.22	97	1892	2.02	ug/l	98
56) Ethyl methacrylate	9.18	69	2287	1.78	ug/l #	90
57) 1,3-Dichloropropane	9.37	76	3299	2.10	ug/l	98
58) 2-Chloroethyl Vinyl ether	8.32	63	7030	25.73	ug/l	97
59) 2-Hexanone	9.50	43	8143	9.34	ug/l	93
60) Dibromochloromethane	9.59	129	1673	1.77	ug/l	99
61) 1,2-Dibromoethane	9.68	107	1961	2.05	ug/l	99
64) Tetrachloroethene	9.34	164	2837	2.32	ug/l	92
65) Chlorobenzene	10.14	112	6843	2.10	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.23	131	1944	1.83	ug/l #	66
67) Ethyl Benzene	10.26	91	10832	1.97	ug/l	99
68) m/p-Xylenes	10.36	106	8282	3.85	ug/l	98
69) o-Xylene	10.70	106	3778	1.89	ug/l	99
70) Styrene	10.71	104	5874	1.75	ug/l	97
71) Bromoform	10.86	173	1247	1.71	ug/l #	99
73) Isopropylbenzene	11.02	105	10027	1.87	ug/l	97
74) N-amyl acetate	6.47	43	3738	1.97	ug/l #	56
75) 1,1,2,2-Tetrachloroethane	11.27	83	2701	1.94	ug/l	98
76) 1,2,3-Trichloropropane	11.30	75	2399m	2.03	ug/l	
77) Bromobenzene	11.26	156	3004	2.15	ug/l	96
78) n-propylbenzene	11.36	91	13416	2.06	ug/l	99
79) 2-Chlorotoluene	11.42	91	7745	2.10	ug/l	99
80) 1,3,5-Trimethylbenzene	11.51	105	9010	1.97	ug/l #	69
81) trans-1,4-Dichloro-2-buten	11.07	75	649m	1.63	ug/l	
82) 4-Chlorotoluene	11.51	91	9341	2.09	ug/l	99
83) tert-Butylbenzene	11.77	119	8316	1.84	ug/l	95
84) 1,2,4-Trimethylbenzene	11.81	105	9400	1.99	ug/l	99
85) sec-Butylbenzene	11.95	105	11196	1.93	ug/l	98
86) p-Isopropyltoluene	12.07	119	10074	1.91	ug/l	73
87) 1,3-Dichlorobenzene	12.03	146	6184	2.19	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	6707	2.32	ug/l	90
89) n-Butylbenzene	12.39	91	10622	2.12	ug/l	99
90) Hexachloroethane	12.60	117	1411	1.80	ug/l	96
91) 1,2-Dichlorobenzene	12.40	146	5804	2.20	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.01	75	512	1.85	ug/l	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	5104	2.44	ug/l	100
94) Hexachlorobutadiene	13.79	225	3083	2.31	ug/l	97
95) Naphthalene	13.83	128	9610	2.15	ug/l	99
96) 1,2,3-Trichlorobenzene	14.02	180	4534	2.39	ug/l	98

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

