

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX073018\
 Data File : VX003733.D
 Acq On : 30 Jul 2018 20:11
 Operator : JC/SP
 Sample : MDL01
 Misc : 5.00G/5.0mL/MSVOA X/SOIL
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MDL01

Manual Integrations
 APPROVED

MMDadoda
 8/1/2018 10:40:26 AM

Quant Time: Jul 31 11:56:44 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X073018S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 31 05:41:50 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	122113	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	187042	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	176783	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	100101	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	65807	53.28	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.56%	
35) Dibromofluoromethane	5.50	113	54267	49.27	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.54%	
50) Toluene-d8	8.72	98	225344	49.07	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.14%	
62) 4-Bromofluorobenzene	11.14	95	84345	49.82	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.64%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.20	85	2911	2.82	ug/l	92
3) Chloromethane	1.32	50	2986	2.30	ug/l	98
4) Vinyl Chloride	1.40	62	2869	2.06	ug/l #	80
5) Bromomethane	1.64	94	2451	1.29	ug/l	99
6) Chloroethane	1.72	64	1860	1.90	ug/l	89
7) Trichlorofluoromethane	1.93	101	4369	2.39	ug/l	96
8) Diethyl Ether	2.19	74	1657	2.40	ug/l	85
9) 1,1,2-Trichlorotrifluoroet	2.38	101	3144	2.71	ug/l	98
10) Methyl Iodide	2.51	142	1837	1.38	ug/l	99
11) Tert butyl alcohol	3.07	59	1677m	8.39	ug/l	
12) 1,1-Dichloroethene	2.37	96	2517	2.31	ug/l #	83
13) Acrolein	2.29	56	816	12.47	ug/l	91
14) Allyl chloride	2.73	41	4558	2.36	ug/l	94
15) Acrylonitrile	3.15	53	4927	9.69	ug/l	97
16) Acetone	2.45	43	5419	11.49	ug/l	98
17) Carbon Disulfide	2.57	76	8821	2.48	ug/l	97
18) Methyl Acetate	2.78	43	3214	2.42	ug/l	94
19) Methyl tert-butyl Ether	3.20	73	6556	2.21	ug/l	97
20) Methylene Chloride	2.85	84	5752	1.54	ug/l	94
21) trans-1,2-Dichloroethene	3.16	96	2853	2.39	ug/l	96
22) Diisopropyl ether	3.87	45	7646	2.19	ug/l	92
23) Vinyl Acetate	3.83	43	23664	9.39	ug/l	100
24) 1,1-Dichloroethane	3.70	63	4447	2.18	ug/l	96
25) 2-Butanone	4.71	43	6642	9.66	ug/l	99
26) 2,2-Dichloropropane	4.59	77	3088	1.92	ug/l	97
27) cis-1,2-Dichloroethene	4.60	96	2882	2.24	ug/l	87
28) Bromochloromethane	5.02	49	2043	2.24	ug/l #	99
29) Tetrahydrofuran	5.17	42	4113	9.38	ug/l	94
30) Chloroform	5.21	83	4416	2.20	ug/l	97
31) Cyclohexane	5.59	56	4716	2.40	ug/l	92
32) 1,1,1-Trichloroethane	5.49	97	3742	2.17	ug/l	98
36) 1,1-Dichloropropene	5.80	75	4444	2.54	ug/l	98
37) Ethyl Acetate	4.86	43	2754	2.05	ug/l #	95
38) Carbon Tetrachloride	5.78	117	3465	2.14	ug/l	91

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	5772	2.68	ug/l	99
40) Benzene	6.15	78	11020	2.20	ug/l	96
41) Methacrylonitrile	5.06	41	1559	2.06	ug/l	91
42) 1,2-Dichloroethane	6.20	62	3265	2.15	ug/l	96
43) Isopropyl Acetate	6.46	43	4398	2.05	ug/l	97
44) Trichloroethene	7.22	130	3509	2.45	ug/l	98
45) 1,2-Dichloropropane	7.52	63	2673	2.17	ug/l	97
46) Dibromomethane	7.67	93	1399	1.97	ug/l	98
47) Bromodichloromethane	7.90	83	2874	2.03	ug/l	100
48) Methyl methacrylate	7.78	41	2131	1.98	ug/l	93
49) 1,4-Dioxane	7.76	88	653	30.09	ug/l	94
51) 4-Methyl-2-Pentanone	8.65	43	11741	8.91	ug/l	98
52) Toluene	8.79	92	7509	2.40	ug/l	100
53) t-1,3-Dichloropropene	9.05	75	3223	1.99	ug/l	97
54) cis-1,3-Dichloropropene	8.44	75	3489	1.93	ug/l	92
55) 1,1,2-Trichloroethane	9.22	97	2251	2.09	ug/l	94
56) Ethyl methacrylate	9.18	69	2600	1.76	ug/l	93
57) 1,3-Dichloropropane	9.37	76	3920	2.17	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.32	63	6620	23.99	ug/l	98
59) 2-Hexanone	9.50	43	8494	8.46	ug/l	93
60) Dibromochloromethane	9.59	129	2140	1.97	ug/l	100
61) 1,2-Dibromoethane	9.68	107	2234	2.03	ug/l	98
64) Tetrachloroethene	9.34	164	3862	2.78	ug/l	97
65) Chlorobenzene	10.14	112	8914	2.41	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.23	131	2384	1.98	ug/l #	65
67) Ethyl Benzene	10.26	91	14783	2.37	ug/l	97
68) m/p-Xylenes	10.36	106	11395	4.67	ug/l	97
69) o-Xylene	10.70	106	5080	2.24	ug/l	97
70) Styrene	10.71	104	7910	2.08	ug/l	97
71) Bromoform	10.86	173	1430	1.73	ug/l #	95
73) Isopropylbenzene	11.02	105	14196	2.27	ug/l	99
74) N-amyl acetate	6.46	43	4398	1.98	ug/l #	55
75) 1,1,2,2-Tetrachloroethane	11.27	83	3153	1.94	ug/l	98
76) 1,2,3-Trichloropropane	11.30	75	2612m	1.89	ug/l	
77) Bromobenzene	11.26	156	4083	2.50	ug/l	98
78) n-propylbenzene	11.36	91	19682	2.59	ug/l	100
79) 2-Chlorotoluene	11.42	91	11215	2.60	ug/l	99
80) 1,3,5-Trimethylbenzene	11.51	105	13229	2.47	ug/l #	69
81) trans-1,4-Dichloro-2-buten	11.08	75	777m	1.67	ug/l	
82) 4-Chlorotoluene	11.51	91	13540	2.59	ug/l	99
83) tert-Butylbenzene	11.77	119	11774	2.23	ug/l	96
84) 1,2,4-Trimethylbenzene	11.81	105	13679	2.48	ug/l	97
85) sec-Butylbenzene	11.95	105	16746	2.47	ug/l	100
86) p-Isopropyltoluene	12.07	119	15501	2.52	ug/l	72
87) 1,3-Dichlorobenzene	12.03	146	9307	2.82	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	9611	2.85	ug/l	90
89) n-Butylbenzene	12.39	91	15883	2.71	ug/l	98
90) Hexachloroethane	12.60	117	2081	2.28	ug/l	99
91) 1,2-Dichlorobenzene	12.40	146	8135	2.64	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	13.01	75	550	1.70	ug/l	90

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	7616	3.12	ug/l	96
94) Hexachlorobutadiene	13.79	225	4542	2.91	ug/l	98
95) Naphthalene	13.83	128	12845	2.46	ug/l	99
96) 1,2,3-Trichlorobenzene	14.02	180	6933	3.13	ug/l	99

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

