

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX073018\
 Data File : VX003734.D
 Acq On : 30 Jul 2018 20:37
 Operator : JC/SP
 Sample : MDL02
 Misc : 5.00G/5.0mL/MSVOA X/SOIL
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MDL02

Manual Integrations
 APPROVED

MMDadoda
 8/1/2018 10:40:31 AM

Quant Time: Jul 31 11:59:40 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	107591	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	160115	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	154329	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	84293	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.07	65	58677	53.92	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.84%	
35) Dibromofluoromethane	5.51	113	48575	51.52	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.04%	
50) Toluene-d8	8.72	98	199655	50.79	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.58%	
62) 4-Bromofluorobenzene	11.14	95	72843	50.26	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.52%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	2199	2.42	ug/l	96
3) Chloromethane	1.32	50	2999	2.63	ug/l	98
4) Vinyl Chloride	1.40	62	2657	2.16	ug/l	93
5) Bromomethane	1.64	94	2367	1.62	ug/l	97
6) Chloroethane	1.72	64	1817	2.10	ug/l	93
7) Trichlorofluoromethane	1.93	101	3707	2.30	ug/l	92
8) Diethyl Ether	2.19	74	1665	2.74	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	2.39	101	2508	2.46	ug/l	99
10) Methyl Iodide	2.51	142	1562	1.33	ug/l	98
11) Tert butyl alcohol	3.07	59	1774m	10.07	ug/l	
12) 1,1-Dichloroethene	2.37	96	2263	2.35	ug/l	86
13) Acrolein	2.29	56	790	13.70	ug/l #	78
14) Allyl chloride	2.73	41	4093	2.40	ug/l	96
15) Acrylonitrile	3.15	53	5219	11.65	ug/l	99
16) Acetone	2.45	43	5696	13.70	ug/l	99
17) Carbon Disulfide	2.57	76	7553	2.41	ug/l #	93
18) Methyl Acetate	2.78	43	3220	2.76	ug/l	98
19) Methyl tert-butyl Ether	3.20	73	6374	2.44	ug/l	96
20) Methylene Chloride	2.85	84	4798	1.28	ug/l	94
21) trans-1,2-Dichloroethene	3.17	96	2478	2.35	ug/l	90
22) Diisopropyl ether	3.87	45	7123	2.31	ug/l	91
23) Vinyl Acetate	3.82	43	23176	10.44	ug/l	100
24) 1,1-Dichloroethane	3.69	63	4195	2.34	ug/l	98
25) 2-Butanone	4.71	43	7200	11.88	ug/l	91
26) 2,2-Dichloropropane	4.60	77	3049	2.16	ug/l	99
27) cis-1,2-Dichloroethene	4.60	96	2865	2.52	ug/l	90
28) Bromochloromethane	5.02	49	1840	2.29	ug/l #	87
29) Tetrahydrofuran	5.17	42	4533	11.74	ug/l	96
30) Chloroform	5.22	83	4103	2.32	ug/l	95
31) Cyclohexane	5.58	56	3873	2.23	ug/l	97
32) 1,1,1-Trichloroethane	5.50	97	3365	2.21	ug/l	99
36) 1,1-Dichloropropene	5.81	75	3427	2.29	ug/l	97
37) Ethyl Acetate	4.85	43	2794	2.43	ug/l #	84
38) Carbon Tetrachloride	5.79	117	2951	2.13	ug/l	92

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	4260	2.31	ug/l	93
40) Benzene	6.15	78	10019	2.33	ug/l	97
41) Methacrylonitrile	5.06	41	1469	2.26	ug/l	92
42) 1,2-Dichloroethane	6.20	62	3230	2.49	ug/l	96
43) Isopropyl Acetate	6.47	43	4454	2.43	ug/l	98
44) Trichloroethene	7.22	130	2917	2.38	ug/l	90
45) 1,2-Dichloropropane	7.52	63	2431	2.30	ug/l	92
46) Dibromomethane	7.67	93	1399	2.30	ug/l	93
47) Bromodichloromethane	7.90	83	2562	2.11	ug/l	99
48) Methyl methacrylate	7.78	41	2085	2.26	ug/l	91
49) 1,4-Dioxane	7.76	88	661	35.58	ug/l #	82
51) 4-Methyl-2-Pentanone	8.65	43	12078	10.71	ug/l	97
52) Toluene	8.79	92	6681	2.49	ug/l	99
53) t-1,3-Dichloropropene	9.04	75	2850	2.06	ug/l	95
54) cis-1,3-Dichloropropene	8.44	75	3221	2.08	ug/l #	90
55) 1,1,2-Trichloroethane	9.22	97	2210	2.40	ug/l	100
56) Ethyl methacrylate	9.18	69	2537	2.00	ug/l	94
57) 1,3-Dichloropropane	9.37	76	3734	2.41	ug/l	98
58) 2-Chloroethyl Vinyl ether	8.32	63	5997	24.45	ug/l	99
59) 2-Hexanone	9.50	43	8868	10.32	ug/l	98
60) Dibromochloromethane	9.59	129	1938	2.09	ug/l	98
61) 1,2-Dibromoethane	9.68	107	2136	2.27	ug/l	96
64) Tetrachloroethene	9.34	164	3073	2.53	ug/l	91
65) Chlorobenzene	10.14	112	7466	2.32	ug/l	93
66) 1,1,1,2-Tetrachloroethane	10.23	131	2143	2.04	ug/l #	66
67) Ethyl Benzene	10.26	91	11907	2.19	ug/l	98
68) m/p-Xylenes	10.36	106	9168	4.30	ug/l	99
69) o-Xylene	10.70	106	4237	2.14	ug/l	100
70) Styrene	10.71	104	6607	1.99	ug/l	99
71) Bromoform	10.86	173	1346	1.86	ug/l #	98
73) Isopropylbenzene	11.02	105	11245	2.13	ug/l	98
74) N-amyl acetate	6.47	43	4454	2.38	ug/l #	56
75) 1,1,2,2-Tetrachloroethane	11.27	83	3151	2.30	ug/l	94
76) 1,2,3-Trichloropropane	11.30	75	2570m	2.21	ug/l	
77) Bromobenzene	11.26	156	3317	2.41	ug/l	97
78) n-propylbenzene	11.36	91	14587	2.28	ug/l	100
79) 2-Chlorotoluene	11.42	91	8589	2.37	ug/l	100
80) 1,3,5-Trimethylbenzene	11.51	105	9952	2.21	ug/l #	67
81) trans-1,4-Dichloro-2-buten	11.08	75	679m	1.73	ug/l	
82) 4-Chlorotoluene	11.51	91	10444	2.37	ug/l	99
83) tert-Butylbenzene	11.77	119	9337	2.10	ug/l	96
84) 1,2,4-Trimethylbenzene	11.81	105	10158	2.19	ug/l	99
85) sec-Butylbenzene	11.95	105	12070	2.12	ug/l	99
86) p-Isopropyltoluene	12.07	119	11464	2.21	ug/l	72
87) 1,3-Dichlorobenzene	12.03	146	6752	2.43	ug/l	96
88) 1,4-Dichlorobenzene	12.10	146	7196	2.53	ug/l	86
89) n-Butylbenzene	12.39	91	11459	2.32	ug/l	98
90) Hexachloroethane	12.60	117	1574	2.05	ug/l	97
91) 1,2-Dichlorobenzene	12.40	146	6370	2.46	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	13.01	75	542	1.99	ug/l	94

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	5744	2.79	ug/l	100
94) Hexachlorobutadiene	13.79	225	3374	2.57	ug/l	100
95) Naphthalene	13.83	128	10545	2.40	ug/l	99
96) 1,2,3-Trichlorobenzene	14.02	180	5157	2.76	ug/l	98

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

