

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX073018\
 Data File : VX003736.D
 Acq On : 30 Jul 2018 21:27
 Operator : JC/SP
 Sample : MDL04
 Misc : 5.00G/5.0mL/MSVOA X/SOIL
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MDL04

Manual Integrations
 APPROVED

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

Quant Time: Jul 31 12:06:50 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	104253	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	150814	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	147408	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	76941	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.07	65	59400	56.34	ug/l	0.00
Spiked Amount	50.000		Recovery	=	112.68%	
35) Dibromofluoromethane	5.50	113	49125	55.32	ug/l	0.00
Spiked Amount	50.000		Recovery	=	110.64%	
50) Toluene-d8	8.72	98	198375	53.58	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.16%	
62) 4-Bromofluorobenzene	11.14	95	69494	50.91	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.82%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.19	85	1892	2.15	ug/l	99
3) Chloromethane	1.32	50	2614	2.36	ug/l	93
4) Vinyl Chloride	1.40	62	2559	2.15	ug/l	96
5) Bromomethane	1.64	94	2293	1.62	ug/l	95
6) Chloroethane	1.72	64	1495	1.79	ug/l	99
7) Trichlorofluoromethane	1.93	101	3294	2.11	ug/l	100
8) Diethyl Ether	2.18	74	1465	2.48	ug/l	77
9) 1,1,2-Trichlorotrifluoroet	2.38	101	2146	2.17	ug/l	98
10) Methyl Iodide	2.51	142	1459	1.28	ug/l #	97
11) Tert butyl alcohol	3.08	59	1275m	7.47	ug/l	
12) 1,1-Dichloroethene	2.37	96	1970	2.11	ug/l	99
13) Acrolein	2.29	56	872	15.61	ug/l	92
14) Allyl chloride	2.72	41	3944	2.39	ug/l	93
15) Acrylonitrile	3.15	53	4858	11.19	ug/l	99
16) Acetone	2.45	43	5339	13.26	ug/l	91
17) Carbon Disulfide	2.56	76	7072	2.33	ug/l	98
18) Methyl Acetate	2.78	43	3027	2.67	ug/l	94
19) Methyl tert-butyl Ether	3.20	73	5644	2.23	ug/l	94
20) Methylene Chloride	2.86	84	5176	1.81	ug/l	94
21) trans-1,2-Dichloroethene	3.16	96	2331	2.28	ug/l	91
22) Diisopropyl ether	3.87	45	6316	2.12	ug/l #	89
23) Vinyl Acetate	3.82	43	20444	9.51	ug/l	99
24) 1,1-Dichloroethane	3.69	63	3759	2.16	ug/l	95
25) 2-Butanone	4.71	43	6471	11.02	ug/l	98
26) 2,2-Dichloropropane	4.58	77	2595	1.89	ug/l	97
27) cis-1,2-Dichloroethene	4.60	96	2385	2.17	ug/l	90
28) Bromochloromethane	5.03	49	1635	2.10	ug/l #	90
29) Tetrahydrofuran	5.17	42	3794	10.14	ug/l	97
30) Chloroform	5.22	83	3609	2.11	ug/l	92
31) Cyclohexane	5.58	56	3534	2.10	ug/l #	85
32) 1,1,1-Trichloroethane	5.50	97	2988	2.03	ug/l	98
36) 1,1-Dichloropropene	5.80	75	3056	2.16	ug/l	99
37) Ethyl Acetate	4.86	43	2518	2.32	ug/l #	96
38) Carbon Tetrachloride	5.78	117	2746	2.10	ug/l	90

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	3665	2.11	ug/l	95
40) Benzene	6.15	78	8772	2.17	ug/l	99
41) Methacrylonitrile	5.06	41	1364	2.23	ug/l	92
42) 1,2-Dichloroethane	6.20	62	2682	2.19	ug/l	94
43) Isopropyl Acetate	6.47	43	3701	2.14	ug/l	95
44) Trichloroethene	7.22	130	2418	2.09	ug/l	98
45) 1,2-Dichloropropane	7.53	63	2072	2.08	ug/l	97
46) Dibromomethane	7.67	93	1128	1.97	ug/l	96
47) Bromodichloromethane	7.90	83	2306	2.02	ug/l	99
48) Methyl methacrylate	7.78	41	1655	1.91	ug/l	95
49) 1,4-Dioxane	7.76	88	566	32.34	ug/l #	81
51) 4-Methyl-2-Pentanone	8.65	43	10833	10.20	ug/l	97
52) Toluene	8.79	92	5774	2.29	ug/l	99
53) t-1,3-Dichloropropene	9.04	75	2465	1.89	ug/l	94
54) cis-1,3-Dichloropropene	8.44	75	2756	1.89	ug/l #	90
55) 1,1,2-Trichloroethane	9.22	97	1930	2.22	ug/l	98
56) Ethyl methacrylate	9.18	69	2215	1.86	ug/l	92
57) 1,3-Dichloropropane	9.38	76	3227	2.21	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.32	63	5659	24.46	ug/l	96
59) 2-Hexanone	9.50	43	7883	9.74	ug/l	96
60) Dibromochloromethane	9.59	129	1619	1.85	ug/l	99
61) 1,2-Dibromoethane	9.68	107	1816	2.05	ug/l	97
64) Tetrachloroethene	9.34	164	2788	2.41	ug/l	95
65) Chlorobenzene	10.14	112	6336	2.06	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.23	131	1813	1.80	ug/l #	65
67) Ethyl Benzene	10.26	91	9743	1.87	ug/l	97
68) m/p-Xylenes	10.36	106	7592	3.73	ug/l	97
69) o-Xylene	10.70	106	3498	1.85	ug/l	95
70) Styrene	10.71	104	5632	1.77	ug/l	98
71) Bromoform	10.86	173	1172	1.70	ug/l #	99
73) Isopropylbenzene	11.02	105	9380	1.95	ug/l	99
74) N-amyl acetate	6.47	43	3701	2.17	ug/l #	55
75) 1,1,2,2-Tetrachloroethane	11.27	83	2602	2.08	ug/l	99
76) 1,2,3-Trichloropropane	11.30	75	2232m	2.10	ug/l	
77) Bromobenzene	11.26	156	2795	2.23	ug/l	98
78) n-propylbenzene	11.36	91	12760	2.19	ug/l	99
79) 2-Chlorotoluene	11.42	91	7233	2.18	ug/l	95
80) 1,3,5-Trimethylbenzene	11.51	105	8022	1.95	ug/l #	65
81) trans-1,4-Dichloro-2-buten	11.07	75	622m	1.74	ug/l	
82) 4-Chlorotoluene	11.51	91	8725	2.17	ug/l	98
83) tert-Butylbenzene	11.77	119	7732	1.90	ug/l	96
84) 1,2,4-Trimethylbenzene	11.81	105	8323	1.97	ug/l	100
85) sec-Butylbenzene	11.95	105	10465	2.01	ug/l	98
86) p-Isopropyltoluene	12.07	119	9089	1.92	ug/l	72
87) 1,3-Dichlorobenzene	12.03	146	5744	2.26	ug/l	98
88) 1,4-Dichlorobenzene	12.10	146	5748	2.22	ug/l	86
89) n-Butylbenzene	12.39	91	9816	2.18	ug/l	97
90) Hexachloroethane	12.60	117	1290	1.84	ug/l	92
91) 1,2-Dichlorobenzene	12.39	146	5123	2.17	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.00	75	503	2.02	ug/l	80

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	4604	2.45	ug/l	100
94) Hexachlorobutadiene	13.79	225	2947	2.46	ug/l	98
95) Naphthalene	13.83	128	8814	2.20	ug/l	99
96) 1,2,3-Trichlorobenzene	14.02	180	4263	2.50	ug/l	98

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

