

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD070218\
 Data File : VD059518.D
 Acq On : 2 Jul 2018 23:18
 Operator : VA/AP
 Sample : J3762-01
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 LOD-MDL-SOIL-01-QT3-2018

Manual Integrations
 APPROVED

apatel
 7/3/2018 10:28:15 AM

Quant Time: Jul 03 09:29:44 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D070218S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 03 09:04:17 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.62	168	662336	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.66	114	948796	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.67	117	773731	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.90	152	393373	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.99	65	453951	52.48	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.96%	
35) Dibromofluoromethane	5.52	113	435110	54.52	ug/l	0.00
Spiked Amount	50.000		Recovery	=	109.04%	
50) Toluene-d8	8.69	98	985866	53.23	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.46%	
62) 4-Bromofluorobenzene	11.92	95	410365	51.99	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.98%	

Target Compounds				Qvalue		
2) Dichlorodifluoromethane	1.32	85	17228	2.04	ug/l	92
3) Chloromethane	1.46	50	10250	2.56	ug/l	92
4) Vinyl Chloride	1.53	62	7605	1.91	ug/l #	86
5) Bromomethane	1.78	94	4492	2.98	ug/l #	77
6) Chloroethane	1.87	64	4698	2.62	ug/l #	70
7) Trichlorofluoromethane	2.06	101	15933	2.42	ug/l #	81
8) Diethyl Ether	2.31	74	2430	1.92	ug/l	79
9) 1,1,2-Trichlorotrifluoroet	2.53	101	8149	2.03	ug/l #	85
10) Methyl Iodide	2.66	142	7086	1.77	ug/l #	95
11) Tert butyl alcohol	3.22	59	4373	15.27	ug/l #	72
12) 1,1-Dichloroethene	2.53	96	6418	2.09	ug/l #	51
13) Acrolein	2.45	56	650	3.98	ug/l	99
14) Allyl chloride	2.89	41	15582	2.30	ug/l #	78
15) Acrylonitrile	3.33	53	9452	11.94	ug/l	94
16) Acetone	2.58	43	16862	14.51	ug/l #	88
17) Carbon Disulfide	2.72	76	17084	4.61	ug/l	97
18) Methyl Acetate	2.91	43	9012	1.16	ug/l #	87
19) Methyl tert-butyl Ether	3.38	73	14994	1.89	ug/l	99
20) Methylene Chloride	3.04	84	23816	5.29	ug/l	99
21) trans-1,2-Dichloroethene	3.35	96	6616	1.95	ug/l #	77
22) Diisopropyl ether	4.04	45	46916	1.90	ug/l #	90
23) Vinyl Acetate	3.98	43	116448	8.55	ug/l #	95
24) 1,1-Dichloroethane	3.93	63	29138	2.09	ug/l	97
25) 2-Butanone	4.82	43	30646	12.68	ug/l	96
26) 2,2-Dichloropropane	4.77	77	28041	2.45	ug/l	97
27) cis-1,2-Dichloroethene	4.78	96	15225	2.08	ug/l	76
28) Bromochloromethane	5.11	49	9836	1.83	ug/l	94
29) Tetrahydrofuran	5.16	42	13078	10.62	ug/l	97
30) Chloroform	5.29	83	30647	2.08	ug/l	89
31) Cyclohexane	5.61	56	37253m	1.22	ug/l	
32) 1,1,1-Trichloroethane	5.47	97	23509	2.01	ug/l	87
36) 1,1-Dichloropropene	5.71	75	24479	2.40	ug/l	90
37) Ethyl Acetate	4.89	43	16031	2.83	ug/l #	80
38) Carbon Tetrachloride	5.69	117	22212	2.22	ug/l #	78

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.26	83	19672	2.12	ug/l #	88
40) Benzene	5.98	78	46680	1.99	ug/l	92
41) Methacrylonitrile	5.10	41	6830	2.38	ug/l #	90
42) 1,2-Dichloroethane	6.10	62	23737	2.26	ug/l	95
43) Isopropyl Acetate	7.60	43	16025	2.14	ug/l #	94
44) Trichloroethene	6.96	130	15160	2.13	ug/l	92
45) 1,2-Dichloropropane	7.32	63	13781	2.10	ug/l	95
46) Dibromomethane	7.44	93	9305	2.10	ug/l #	77
47) Bromodichloromethane	7.72	83	17957	1.74	ug/l #	87
48) Methyl methacrylate	7.48	41	9989	2.14	ug/l #	86
49) 1,4-Dioxane	7.48	88	838	19.23	ug/l #	45
51) 4-Methyl-2-Pentanone	8.57	43	55384	11.31	ug/l	98
52) Toluene	8.78	92	31106	2.40	ug/l	97
53) t-1,3-Dichloropropene	9.16	75	16847	1.87	ug/l	92
54) cis-1,3-Dichloropropene	8.33	75	18327	1.76	ug/l #	94
55) 1,1,2-Trichloroethane	9.44	97	11664	2.46	ug/l #	83
56) Ethyl methacrylate	9.29	69	10652	1.79	ug/l	89
57) 1,3-Dichloropropane	9.64	76	18632	2.18	ug/l #	78
58) 2-Chloroethyl Vinyl ether	8.17	63	31574	10.98	ug/l	98
59) 2-Hexanone	9.77	43	40145	11.15	ug/l	94
60) Dibromochloromethane	9.94	129	12678	1.91	ug/l	81
61) 1,2-Dibromoethane	10.07	107	9506	1.81	ug/l	97
64) Tetrachloroethene	9.49	164	15959	2.40	ug/l	87
65) Chlorobenzene	10.71	112	33957	2.28	ug/l	92
66) 1,1,1,2-Tetrachloroethane	10.83	131	12448	2.05	ug/l	97
67) Ethyl Benzene	10.84	91	61873	2.34	ug/l	94
68) m/p-Xylenes	10.99	106	37243	4.27	ug/l	92
69) o-Xylene	11.39	106	19579	2.33	ug/l	93
70) Styrene	11.42	104	30929	2.20	ug/l	96
71) Bromoform	11.59	173	6695	1.46	ug/l	100
73) Isopropylbenzene	11.76	105	59419	2.53	ug/l	98
74) N-amyl acetate	11.63	43	20578	2.07	ug/l	96
75) 1,1,2,2-Tetrachloroethane	12.07	83	12017	1.97	ug/l	92
76) 1,2,3-Trichloropropane	12.10	75	13380	2.11	ug/l	99
77) Bromobenzene	12.03	156	16161	2.19	ug/l	87
78) n-propylbenzene	12.14	91	70271	2.23	ug/l	95
79) 2-Chlorotoluene	12.20	91	42490	2.29	ug/l	94
80) 1,3,5-Trimethylbenzene	12.31	105	44893	2.35	ug/l	79
81) trans-1,4-Dichloro-2-buten	11.83	75	1949m	3.15	ug/l	
82) 4-Chlorotoluene	12.31	91	48994	2.33	ug/l	87
83) tert-Butylbenzene	12.57	119	46320	2.13	ug/l	93
84) 1,2,4-Trimethylbenzene	12.62	105	46259	2.25	ug/l	90
85) sec-Butylbenzene	12.74	105	58606	2.35	ug/l	95
86) p-Isopropyltoluene	12.87	119	49098	2.35	ug/l	93
87) 1,3-Dichlorobenzene	12.83	146	29297	2.32	ug/l	87
88) 1,4-Dichlorobenzene	12.91	146	32159	2.59	ug/l	97
89) n-Butylbenzene	13.19	91	52279	2.45	ug/l	100
90) Hexachloroethane	13.39	117	9697	1.79	ug/l #	55
91) 1,2-Dichlorobenzene	13.18	146	26041	2.45	ug/l	92
92) 1,2-Dibromo-3-Chloropropan	13.76	75	2294	2.18	ug/l #	59

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.33	180	22096	2.35	ug/l	91
94) Hexachlorobutadiene	14.43	225	15636	2.17	ug/l	89
95) Naphthalene	14.51	128	33248	2.37	ug/l	97
96) 1,2,3-Trichlorobenzene	14.65	180	20061	2.42	ug/l	96

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

