

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD070218\
 Data File : VD059519.D
 Acq On : 2 Jul 2018 23:46
 Operator : VA/AP
 Sample : J3762-02
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 LOQ-SOIL-02-QT3-2018

Quant Time: Jul 03 09:08:10 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	5.61	168	657979	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.66	114	849576	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.67	117	715414	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.90	152	370956	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.99	65	437348	50.89	ug/l	0.00
Spiked Amount 50.000			Recovery	=	101.78%	
35) Dibromofluoromethane	5.52	113	411364	57.57	ug/l	0.01
Spiked Amount 50.000			Recovery	=	115.14%	
50) Toluene-d8	8.68	98	962049	58.01	ug/l	0.00
Spiked Amount 50.000			Recovery	=	116.02%	
62) 4-Bromofluorobenzene	11.92	95	404199	57.19	ug/l	0.00
Spiked Amount 50.000			Recovery	=	114.38%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.32	85	74175	8.85	ug/l	99
3) Chloromethane	1.47	50	39247	9.88	ug/l	96
4) Vinyl Chloride	1.54	62	36600	9.24	ug/l	95
5) Bromomethane	1.77	94	17847	11.90	ug/l	95
6) Chloroethane	1.86	64	18915	10.61	ug/l	96
7) Trichlorofluoromethane	2.06	101	63158	9.64	ug/l	89
8) Diethyl Ether	2.31	74	11435	9.11	ug/l	87
9) 1,1,2-Trichlorotrifluoroet	2.53	101	35761	8.97	ug/l #	87
10) Methyl Iodide	2.67	142	32955	8.29	ug/l	96
11) Tert butyl alcohol	3.24	59	13066	45.92	ug/l #	94
12) 1,1-Dichloroethene	2.52	96	29070	9.54	ug/l	95
13) Acrolein	2.44	56	9334	57.58	ug/l	83
14) Allyl chloride	2.89	41	56317	8.38	ug/l	94
15) Acrylonitrile	3.33	53	36387	46.27	ug/l	95
16) Acetone	2.59	43	55397	47.98	ug/l #	89
17) Carbon Disulfide	2.73	76	76278	9.88	ug/l	98
18) Methyl Acetate	2.91	43	21620	7.00	ug/l #	83
19) Methyl tert-butyl Ether	3.37	73	72722	9.24	ug/l #	89
20) Methylene Chloride	3.03	84	48016	10.73	ug/l	91
21) trans-1,2-Dichloroethene	3.36	96	32080	9.54	ug/l	95
22) Diisopropyl ether	4.04	45	240702	9.82	ug/l	98
23) Vinyl Acetate	3.98	43	635621	46.98	ug/l	99
24) 1,1-Dichloroethane	3.94	63	133967	9.65	ug/l	97
25) 2-Butanone	4.80	43	111496	46.42	ug/l	99
26) 2,2-Dichloropropane	4.76	77	102289	9.01	ug/l	97
27) cis-1,2-Dichloroethene	4.76	96	73277	10.06	ug/l	97
28) Bromochloromethane	5.11	49	57475	10.79	ug/l	95
29) Tetrahydrofuran	5.16	42	58543	47.86	ug/l	93
30) Chloroform	5.30	83	138439	9.45	ug/l	100
31) Cyclohexane	5.56	56	105267	8.66	ug/l	98
32) 1,1,1-Trichloroethane	5.47	97	109777	9.46	ug/l	98
36) 1,1-Dichloropropene	5.71	75	98590	10.81	ug/l	98
37) Ethyl Acetate	4.90	43	57815	11.39	ug/l	96
38) Carbon Tetrachloride	5.70	117	94734	10.56	ug/l	92

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.26	83	89437	10.76	ug/l	96
40) Benzene	5.99	78	213773	10.18	ug/l	98
41) Methacrylonitrile	5.09	41	29314	11.39	ug/l	98
42) 1,2-Dichloroethane	6.10	62	94410	10.05	ug/l	97
43) Isopropyl Acetate	7.60	43	68631	10.22	ug/l #	97
44) Trichloroethene	6.95	130	68581	10.76	ug/l	81
45) 1,2-Dichloropropane	7.32	63	58413	9.95	ug/l #	88
46) Dibromomethane	7.44	93	40242	10.13	ug/l	93
47) Bromodichloromethane	7.72	83	95677	10.35	ug/l	94
48) Methyl methacrylate	7.48	41	43365	10.35	ug/l	97
49) 1,4-Dioxane	7.46	88	7137	182.90	ug/l	92
51) 4-Methyl-2-Pentanone	8.57	43	229191	52.27	ug/l	93
52) Toluene	8.78	92	124484	10.74	ug/l	94
53) t-1,3-Dichloropropene	9.17	75	80431	9.99	ug/l	98
54) cis-1,3-Dichloropropene	8.34	75	95769	10.26	ug/l	95
55) 1,1,2-Trichloroethane	9.43	97	43177	10.16	ug/l	93
56) Ethyl methacrylate	9.29	69	56032	10.52	ug/l #	92
57) 1,3-Dichloropropane	9.65	76	76160	9.95	ug/l	91
58) 2-Chloroethyl Vinyl ether	8.16	63	139570	54.19	ug/l	98
59) 2-Hexanone	9.77	43	172047	53.34	ug/l	96
60) Dibromochloromethane	9.93	129	62147	10.48	ug/l	95
61) 1,2-Dibromoethane	10.07	107	46836	9.95	ug/l	99
64) Tetrachloroethene	9.49	164	64783	10.53	ug/l	91
65) Chlorobenzene	10.70	112	140387	10.19	ug/l	96
66) 1,1,1,2-Tetrachloroethane	10.83	131	58809	10.48	ug/l	98
67) Ethyl Benzene	10.84	91	275345	11.27	ug/l	99
68) m/p-Xylenes	11.00	106	175419	21.76	ug/l	100
69) o-Xylene	11.39	106	83656	10.77	ug/l	95
70) Styrene	11.42	104	139470	10.71	ug/l #	89
71) Bromoform	11.59	173	35564	8.40	ug/l	93
73) Isopropylbenzene	11.76	105	236934	10.69	ug/l	97
74) N-amyl acetate	11.64	43	92232	9.86	ug/l #	93
75) 1,1,2,2-Tetrachloroethane	12.06	83	58808	10.24	ug/l	95
76) 1,2,3-Trichloropropane	12.10	75	58364	9.75	ug/l	99
77) Bromobenzene	12.03	156	71094	10.22	ug/l	89
78) n-propylbenzene	12.14	91	311461	10.49	ug/l	99
79) 2-Chlorotoluene	12.21	91	178883	10.24	ug/l	95
80) 1,3,5-Trimethylbenzene	12.31	105	198824	11.03	ug/l	95
81) trans-1,4-Dichloro-2-buten	11.83	75	11830	9.15	ug/l	96
82) 4-Chlorotoluene	12.32	91	218254	11.03	ug/l	88
83) tert-Butylbenzene	12.56	119	219829	10.72	ug/l	91
84) 1,2,4-Trimethylbenzene	12.61	105	195845	10.12	ug/l	99
85) sec-Butylbenzene	12.75	105	257513	10.95	ug/l	98
86) p-Isopropyltoluene	12.88	119	208071	10.54	ug/l	97
87) 1,3-Dichlorobenzene	12.83	146	116394	9.77	ug/l	98
88) 1,4-Dichlorobenzene	12.92	146	123220	10.54	ug/l	97
89) n-Butylbenzene	13.18	91	237897	11.82	ug/l	98
90) Hexachloroethane	13.39	117	47478	9.29	ug/l	91
91) 1,2-Dichlorobenzene	13.18	146	113609	11.34	ug/l	95
92) 1,2-Dibromo-3-Chloropropan	13.76	75	9648	9.74	ug/l	90

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.33	180	96408	10.85	ug/l	97
94) Hexachlorobutadiene	14.42	225	71850	10.58	ug/l	95
95) Naphthalene	14.50	128	134193	10.16	ug/l	98
96) 1,2,3-Trichlorobenzene	14.65	180	78684	10.07	ug/l	98

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

