

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD070218\
 Data File : VD059520.D
 Acq On : 3 Jul 2018 00:15
 Operator : VA/AP
 Sample : J3762-03
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 MDL-SOIL-03-QT3-2018

Manual Integrations
 APPROVED

apatel
 7/3/2018 10:28:20 AM

Quant Time: Jul 03 09:25:55 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	635660	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.66	114	861512	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.67	117	761743	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.89	152	384814	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.99	65	437331	52.68	ug/l	0.01
Spiked Amount	50.000		Recovery	=	105.36%	
35) Dibromofluoromethane	5.52	113	407372	56.22	ug/l	0.01
Spiked Amount	50.000		Recovery	=	112.44%	
50) Toluene-d8	8.68	98	936540	55.69	ug/l	0.00
Spiked Amount	50.000		Recovery	=	111.38%	
62) 4-Bromofluorobenzene	11.92	95	396482	55.32	ug/l	0.00
Spiked Amount	50.000		Recovery	=	110.64%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.32	85	28993	3.58	ug/l	90
3) Chloromethane	1.47	50	17019	4.44	ug/l #	87
4) Vinyl Chloride	1.53	62	14674	3.83	ug/l #	86
5) Bromomethane	1.78	94	7767	5.36	ug/l	94
6) Chloroethane	1.86	64	7104	4.13	ug/l	91
7) Trichlorofluoromethane	2.07	101	24636	3.89	ug/l	90
8) Diethyl Ether	2.32	74	5708	4.71	ug/l	92
9) 1,1,2-Trichlorotrifluoroet	2.54	101	16257	4.22	ug/l #	71
10) Methyl Iodide	2.67	142	12718	3.31	ug/l #	89
11) Tert butyl alcohol	3.24	59	5969	21.72	ug/l #	72
12) 1,1-Dichloroethene	2.52	96	11405	3.88	ug/l	86
13) Acrolein	2.45	56	4641	29.63	ug/l	84
14) Allyl chloride	2.89	41	24244	3.73	ug/l #	92
15) Acrylonitrile	3.33	53	14274	18.79	ug/l #	93
16) Acetone	2.59	43	26698	23.93	ug/l #	80
17) Carbon Disulfide	2.73	76	27444	5.63	ug/l	97
18) Methyl Acetate	2.90	43	12841	3.16	ug/l #	78
19) Methyl tert-butyl Ether	3.37	73	24917	3.28	ug/l #	85
20) Methylene Chloride	3.04	84	35708	8.26	ug/l	92
21) trans-1,2-Dichloroethene	3.36	96	12056	3.71	ug/l	83
22) Diisopropyl ether	4.03	45	92557	3.91	ug/l	99
23) Vinyl Acetate	3.99	43	223329	17.09	ug/l	97
24) 1,1-Dichloroethane	3.94	63	51250	3.82	ug/l	99
25) 2-Butanone	4.80	43	47514	20.48	ug/l	96
26) 2,2-Dichloropropane	4.76	77	39485	3.60	ug/l	98
27) cis-1,2-Dichloroethene	4.77	96	24938	3.54	ug/l	90
28) Bromochloromethane	5.12	49	24700	4.80	ug/l	89
29) Tetrahydrofuran	5.16	42	22359	18.92	ug/l	97
30) Chloroform	5.29	83	55435	3.92	ug/l	93
31) Cyclohexane	5.56	56	53037	3.17	ug/l	97
32) 1,1,1-Trichloroethane	5.48	97	39691	3.54	ug/l	95
36) 1,1-Dichloropropene	5.72	75	36908	3.99	ug/l	92
37) Ethyl Acetate	4.90	43	20806	4.04	ug/l #	95
38) Carbon Tetrachloride	5.70	117	34433	3.79	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.26	83	35677	4.23	ug/l	88
40) Benzene	5.98	78	89829	4.22	ug/l	98
41) Methacrylonitrile	5.10	41	10437	4.00	ug/l #	92
42) 1,2-Dichloroethane	6.10	62	35966	3.78	ug/l	89
43) Isopropyl Acetate	7.60	43	24084	3.54	ug/l #	98
44) Trichloroethene	6.96	130	22994	3.56	ug/l	69
45) 1,2-Dichloropropane	7.32	63	24830	4.17	ug/l #	88
46) Dibromomethane	7.44	93	14736	3.66	ug/l	91
47) Bromodichloromethane	7.72	83	35483	3.78	ug/l #	94
48) Methyl methacrylate	7.48	41	16308	3.84	ug/l	89
49) 1,4-Dioxane	7.48	88	2369	59.87	ug/l #	84
51) 4-Methyl-2-Pentanone	8.57	43	91796	20.64	ug/l	94
52) Toluene	8.78	92	49833	4.24	ug/l	97
53) t-1,3-Dichloropropene	9.17	75	29715	3.64	ug/l	97
54) cis-1,3-Dichloropropene	8.34	75	34627	3.66	ug/l	94
55) 1,1,2-Trichloroethane	9.43	97	19630	4.55	ug/l #	91
56) Ethyl methacrylate	9.29	69	20945	3.88	ug/l	91
57) 1,3-Dichloropropane	9.65	76	28998	3.73	ug/l	96
58) 2-Chloroethyl Vinyl ether	8.17	63	57035	21.84	ug/l	100
59) 2-Hexanone	9.76	43	62058	18.97	ug/l	95
60) Dibromochloromethane	9.94	129	21838	3.63	ug/l	95
61) 1,2-Dibromoethane	10.08	107	19085	4.00	ug/l #	80
64) Tetrachloroethene	9.49	164	26830	4.10	ug/l	93
65) Chlorobenzene	10.71	112	61990	4.22	ug/l	97
66) 1,1,1,2-Tetrachloroethane	10.84	131	22229	3.72	ug/l	95
67) Ethyl Benzene	10.84	91	108751	4.18	ug/l	92
68) m/p-Xylenes	10.99	106	64413	7.50	ug/l	88
69) o-Xylene	11.39	106	34575	4.18	ug/l	99
70) Styrene	11.42	104	53591	3.86	ug/l	97
71) Bromoform	11.59	173	13397	2.97	ug/l	94
73) Isopropylbenzene	11.76	105	98789	4.30	ug/l	98
74) N-amyl acetate	11.63	43	33253	3.43	ug/l #	92
75) 1,1,2,2-Tetrachloroethane	12.07	83	22804	3.83	ug/l	98
76) 1,2,3-Trichloropropane	12.10	75	23809	3.83	ug/l	98
77) Bromobenzene	12.03	156	27893	3.86	ug/l	91
78) n-propylbenzene	12.14	91	128393	4.17	ug/l	95
79) 2-Chlorotoluene	12.21	91	71183	3.93	ug/l	100
80) 1,3,5-Trimethylbenzene	12.30	105	78066	4.18	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.83	75	3626m	4.14	ug/l	
82) 4-Chlorotoluene	12.31	91	87243	4.25	ug/l	91
83) tert-Butylbenzene	12.56	119	79635	3.75	ug/l	94
84) 1,2,4-Trimethylbenzene	12.62	105	84915	4.23	ug/l	96
85) sec-Butylbenzene	12.75	105	102392	4.20	ug/l	98
86) p-Isopropyltoluene	12.87	119	85631	4.18	ug/l	95
87) 1,3-Dichlorobenzene	12.83	146	51944	4.20	ug/l	99
88) 1,4-Dichlorobenzene	12.91	146	48993	4.04	ug/l	92
89) n-Butylbenzene	13.19	91	90099	4.32	ug/l	95
90) Hexachloroethane	13.39	117	18956	3.57	ug/l	99
91) 1,2-Dichlorobenzene	13.18	146	46085	4.43	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	13.76	75	3131	3.05	ug/l #	65

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.33	180	37627	4.08	µg/l	96
94) Hexachlorobutadiene	14.43	225	27723	3.93	µg/l	90
95) Naphthalene	14.51	128	50584	3.69	µg/l	96
96) 1,2,3-Trichlorobenzene	14.66	180	32013	3.95	µg/l	94

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

