

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD081518\
 Data File : VD059792.D
 Acq On : 15 Aug 2018 5:33
 Operator : VA/AP
 Sample : J3762-02
 Misc : 5.00µg/5ml/MSVOA D/SOIL
 ALS Vial : 36 Sample Multiplier: 1

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

Quant Time: Aug 15 17:51:13 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D081518S.M
 Quant Title : SW846 8260
 QLast Update : Wed Aug 15 16:08:23 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	275617	50.00	ug/l	0.01
34) 1,4-Difluorobenzene	6.70	114	376708	50.00	ug/l	0.01
63) Chlorobenzene-d5	10.69	117	308753	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.90	152	162824	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.02	65	192118	54.25	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.50%	
35) Dibromofluoromethane	5.55	113	172054	52.41	ug/l	0.01
Spiked Amount	50.000		Recovery	=	104.82%	
50) Toluene-d8	8.71	98	399435	51.37	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.74%	
62) 4-Bromofluorobenzene	11.93	95	175490	50.38	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.76%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.34	85	32272	9.61	ug/l	98
3) Chloromethane	1.49	50	19202	10.41	ug/l	90
4) Vinyl Chloride	1.56	62	19125	9.79	ug/l	97
5) Bromomethane	1.80	94	6898	11.09	ug/l	88
6) Chloroethane	1.89	64	8139	9.99	ug/l	98
7) Trichlorofluoromethane	2.09	101	31499	10.27	ug/l	97
8) Diethyl Ether	2.35	74	6029	10.22	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	2.56	101	17813	10.36	ug/l	93
10) Methyl Iodide	2.70	142	15858	10.24	ug/l	94
11) Tert butyl alcohol	3.26	59	7460	59.54	ug/l #	74
12) 1,1-Dichloroethene	2.55	96	11839	9.52	ug/l	98
13) Acrolein	2.48	56	3358	46.05	ug/l	88
14) Allyl chloride	2.93	41	31011	9.92	ug/l	97
15) Acrylonitrile	3.36	53	27085	61.70	ug/l	97
16) Acetone	2.61	43	28203	50.46	ug/l	99
17) Carbon Disulfide	2.76	76	38438	9.22	ug/l	97
18) Methyl Acetate	2.94	43	12322	10.32	ug/l	96
19) Methyl tert-butyl Ether	3.41	73	66254	10.92	ug/l	97
20) Methylene Chloride	3.07	84	23416	13.18	ug/l	91
21) trans-1,2-Dichloroethene	3.39	96	27218	11.11	ug/l	94
22) Diisopropyl ether	4.08	45	92992	11.03	ug/l	99
23) Vinyl Acetate	4.02	43	279233	58.49	ug/l	98
24) 1,1-Dichloroethane	3.97	63	54889	10.98	ug/l	99
25) 2-Butanone	4.85	43	40702	47.59	ug/l	99
26) 2,2-Dichloropropane	4.81	77	46502	10.17	ug/l	96
27) cis-1,2-Dichloroethene	4.82	96	28930	10.78	ug/l	89
28) Bromochloromethane	5.15	49	21485	10.95	ug/l	97
29) Tetrahydrofuran	5.19	42	20943	57.39	ug/l	99
30) Chloroform	5.33	83	61627	10.26	ug/l	99
31) Cyclohexane	5.59	56	40688	11.31	ug/l	95
32) 1,1,1-Trichloroethane	5.51	97	54740	10.37	ug/l	96
36) 1,1-Dichloropropene	5.75	75	40302	10.43	ug/l	94
37) Ethyl Acetate	4.92	43	23337	12.07	ug/l #	97
38) Carbon Tetrachloride	5.73	117	46030	9.87	ug/l	93

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.29	83	35762	10.70	ug/l	98
40) Benzene	6.02	78	86242	10.52	ug/l	97
41) Methacrylonitrile	5.13	41	10559	11.42	ug/l	90
42) 1,2-Dichloroethane	6.13	62	45735	10.31	ug/l	99
43) Isopropyl Acetate	7.62	43	26586	10.89	ug/l	99
44) Trichloroethene	6.98	130	29121	10.37	ug/l	99
45) 1,2-Dichloropropane	7.35	63	23819	11.18	ug/l	97
46) Dibromomethane	7.46	93	16875	9.68	ug/l #	71
47) Bromodichloromethane	7.75	83	43361	10.15	ug/l	95
48) Methyl methacrylate	7.50	41	18169	11.41	ug/l	99
49) 1,4-Dioxane	7.50	88	2656	189.34	ug/l	90
51) 4-Methyl-2-Pentanone	8.59	43	92160	49.95	ug/l	98
52) Toluene	8.80	92	53984	10.28	ug/l	99
53) t-1,3-Dichloropropene	9.18	75	36230	10.23	ug/l	95
54) cis-1,3-Dichloropropene	8.36	75	38063	9.95	ug/l	91
55) 1,1,2-Trichloroethane	9.45	97	21155	10.91	ug/l	97
56) Ethyl methacrylate	9.31	69	21944	10.45	ug/l	97
57) 1,3-Dichloropropane	9.67	76	32528	10.71	ug/l	95
58) 2-Chloroethyl Vinyl ether	8.19	63	58608	56.47	ug/l	95
59) 2-Hexanone	9.78	43	66835	50.51	ug/l	98
60) Dibromochloromethane	9.96	129	30738	10.92	ug/l	91
61) 1,2-Dibromoethane	10.09	107	23611	10.99	ug/l	93
64) Tetrachloroethene	9.51	164	29472	11.08	ug/l	96
65) Chlorobenzene	10.72	112	68845	11.01	ug/l	97
66) 1,1,1,2-Tetrachloroethane	10.85	131	27516	10.92	ug/l	83
67) Ethyl Benzene	10.86	91	124267	11.54	ug/l	96
68) m/p-Xylenes	11.01	106	81301	22.28	ug/l	97
69) o-Xylene	11.41	106	39378	11.24	ug/l	85
70) Styrene	11.43	104	67182	10.82	ug/l	98
71) Bromoform	11.60	173	18115	9.89	ug/l	95
73) Isopropylbenzene	11.77	105	117712	11.42	ug/l	97
74) N-amyl acetate	11.64	43	34226	10.83	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.08	83	24842	11.87	ug/l	99
76) 1,2,3-Trichloropropane	12.12	75	26271	11.37	ug/l	93
77) Bromobenzene	12.04	156	34055	11.56	ug/l	83
78) n-propylbenzene	12.15	91	148976	11.58	ug/l	99
79) 2-Chlorotoluene	12.21	91	87875	11.33	ug/l	95
80) 1,3,5-Trimethylbenzene	12.32	105	92602	11.22	ug/l	95
81) trans-1,4-Dichloro-2-buten	11.84	75	5683	10.51	ug/l	91
82) 4-Chlorotoluene	12.32	91	99879	11.35	ug/l	97
83) tert-Butylbenzene	12.58	119	100557	11.02	ug/l	93
84) 1,2,4-Trimethylbenzene	12.63	105	97567	10.97	ug/l	99
85) sec-Butylbenzene	12.75	105	122225	11.56	ug/l	98
86) p-Isopropyltoluene	12.88	119	97794	11.05	ug/l	96
87) 1,3-Dichlorobenzene	12.84	146	59629	11.29	ug/l	94
88) 1,4-Dichlorobenzene	12.92	146	58266	11.12	ug/l	96
89) n-Butylbenzene	13.20	91	101166	11.31	ug/l	96
90) Hexachloroethane	13.40	117	24281	10.94	ug/l	87
91) 1,2-Dichlorobenzene	13.19	146	53697	12.36	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	13.77	75	4167	11.16	ug/l	83

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.34	180	41663	11.47	ug/l	93
94) Hexachlorobutadiene	14.44	225	26450	9.86	ug/l	99
95) Naphthalene	14.52	128	64531	11.60	ug/l	99
96) 1,2,3-Trichlorobenzene	14.66	180	33569	10.47	ug/l	97

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

