

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD061818\
 Data File : VD058177.D
 Acq On : 18 Jun 2018 13:20
 Operator : VA/AP
 Sample : VD0618SBS01
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0618SBS01

Quant Time: Jun 19 05:48:07 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D060618S.M
 Quant Title : SW846 8260
 QLast Update : Thu Jun 07 08:57:33 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.64	168	899508	50.00	ug/l	-0.01
34) 1,4-Difluorobenzene	6.69	114	1143302	50.00	ug/l	-0.01
63) Chlorobenzene-d5	10.69	117	910496	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.90	152	484584	50.00	ug/l	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.02	65	414993	46.15	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.30%	
35) Dibromofluoromethane	5.55	113	452688	51.18	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.36%	
50) Toluene-d8	8.71	98	1000552	47.58	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.16%	
62) 4-Bromofluorobenzene	11.93	95	426712	46.51	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.02%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.35	85	248548	20.59	ug/l	100
3) Chloromethane	1.48	50	118749	19.97	ug/l	98
4) Vinyl Chloride	1.55	62	117162	20.36	ug/l	99
5) Bromomethane	1.79	94	34197	15.16	ug/l	90
6) Chloroethane	1.88	64	39780	17.52	ug/l	99
7) Trichlorofluoromethane	2.08	101	146564	18.63	ug/l	99
8) Diethyl Ether	2.34	74	33566	22.97	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	2.56	101	95869	20.43	ug/l	94
10) Methyl Iodide	2.68	142	108055	17.85	ug/l	91
11) Tert butyl alcohol	3.27	59	31475	130.65	ug/l #	92
12) 1,1-Dichloroethene	2.55	96	73892	20.48	ug/l	95
13) Acrolein	2.48	56	27100	78.55	ug/l	85
14) Allyl chloride	2.92	41	169239	20.34	ug/l	98
15) Acrylonitrile	3.35	53	106225	75.37	ug/l	96
16) Acetone	2.62	43	147596	113.92	ug/l	99
17) Carbon Disulfide	2.75	76	257055	19.67	ug/l	97
18) Methyl Acetate	2.93	43	52172	20.82	ug/l #	91
19) Methyl tert-butyl Ether	3.40	73	297022	18.71	ug/l	97
20) Methylene Chloride	3.07	84	82097	21.61	ug/l	93
21) trans-1,2-Dichloroethene	3.38	96	103962	12.94	ug/l	84
22) Diisopropyl ether	4.07	45	657255	19.94	ug/l	96
23) Vinyl Acetate	4.01	43	1835665	107.76	ug/l	100
24) 1,1-Dichloroethane	3.97	63	367176	20.26	ug/l	100
25) 2-Butanone	4.84	43	311958	105.95	ug/l #	89
26) 2,2-Dichloropropane	4.79	77	310893	20.83	ug/l	99
27) cis-1,2-Dichloroethene	4.80	96	208021	21.83	ug/l	92
28) Bromochloromethane	5.15	49	164479	20.97	ug/l	87
29) Tetrahydrofuran	5.18	42	149219	96.67	ug/l	93
30) Chloroform	5.32	83	384511	21.09	ug/l	96
31) Cyclohexane	5.59	56	316022	20.21	ug/l	95
32) 1,1,1-Trichloroethane	5.51	97	322280	21.11	ug/l	95
36) 1,1-Dichloropropene	5.75	75	278164	22.08	ug/l	98
37) Ethyl Acetate	4.92	43	152440	22.18	ug/l #	98
38) Carbon Tetrachloride	5.73	117	276994	22.31	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.28	83	280485	22.46	ug/l	95
40) Benzene	6.01	78	638541	21.70	ug/l	99
41) Methacrylonitrile	5.12	41	75177	23.92	ug/l	94
42) 1,2-Dichloroethane	6.13	62	260213	21.87	ug/l	100
43) Isopropyl Acetate	7.62	43	198198	22.02	ug/l #	92
44) Trichloroethene	6.98	130	191515	22.28	ug/l	99
45) 1,2-Dichloropropane	7.34	63	174583	21.35	ug/l	98
46) Dibromomethane	7.46	93	115402	21.97	ug/l	96
47) Bromodichloromethane	7.74	83	267069	21.71	ug/l	99
48) Methyl methacrylate	7.50	41	112858	20.37	ug/l	98
49) 1,4-Dioxane	7.49	88	22831	497.37	ug/l	98
51) 4-Methyl-2-Pentanone	8.60	43	654904	113.42	ug/l	98
52) Toluene	8.80	92	363457	21.52	ug/l	98
53) t-1,3-Dichloropropene	9.19	75	239969	22.64	ug/l	98
54) cis-1,3-Dichloropropene	8.35	75	276636	22.16	ug/l	97
55) 1,1,2-Trichloroethane	9.45	97	129360	23.67	ug/l	98
56) Ethyl methacrylate	9.31	69	151301	22.57	ug/l	98
57) 1,3-Dichloropropane	9.66	76	220963	23.05	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.19	63	401685	118.59	ug/l	98
59) 2-Hexanone	9.78	43	486096	114.87	ug/l	99
60) Dibromochloromethane	9.96	129	180004	23.36	ug/l	99
61) 1,2-Dibromoethane	10.10	107	139328	22.17	ug/l	95
64) Tetrachloroethene	9.51	164	181139	22.25	ug/l	99
65) Chlorobenzene	10.72	112	414080	22.46	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.84	131	154667	21.84	ug/l	96
67) Ethyl Benzene	10.85	91	749649	22.51	ug/l	100
68) m/p-Xylenes	11.01	106	482653	44.46	ug/l	97
69) o-Xylene	11.41	106	231489	21.48	ug/l	100
70) Styrene	11.44	104	414914	23.26	ug/l	97
71) Bromoform	11.60	173	124303	23.33	ug/l	97
73) Isopropylbenzene	11.77	105	672927	20.97	ug/l	99
74) N-amyl acetate	11.64	43	254009	20.51	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.08	83	150589	21.52	ug/l	97
76) 1,2,3-Trichloropropane	12.11	75	163381	22.44	ug/l	97
77) Bromobenzene	12.04	156	210291	22.13	ug/l	94
78) n-propylbenzene	12.15	91	900836	21.57	ug/l	100
79) 2-Chlorotoluene	12.21	91	509499	21.38	ug/l	98
80) 1,3,5-Trimethylbenzene	12.32	105	537207	21.46	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.84	75	41776	23.17	ug/l	97
82) 4-Chlorotoluene	12.32	91	566204	22.70	ug/l	96
83) tert-Butylbenzene	12.58	119	623756	22.07	ug/l	99
84) 1,2,4-Trimethylbenzene	12.63	105	589086	21.89	ug/l	99
85) sec-Butylbenzene	12.75	105	729125	21.38	ug/l	99
86) p-Isopropyltoluene	12.88	119	614720	22.36	ug/l	98
87) 1,3-Dichlorobenzene	12.84	146	358798	22.33	ug/l	99
88) 1,4-Dichlorobenzene	12.92	146	352450	22.51	ug/l	92
89) n-Butylbenzene	13.20	91	653551	24.11	ug/l	99
90) Hexachloroethane	13.39	117	154553	22.03	ug/l	59
91) 1,2-Dichlorobenzene	13.19	146	310630	23.92	ug/l	96
92) 1,2-Dibromo-3-Chloropropan	13.77	75	25105	23.25	ug/l	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.34	180	272449	22.45	ug/l	100
94) Hexachlorobutadiene	14.44	225	220099	23.06	ug/l	98
95) Naphthalene	14.52	128	364992	23.33	ug/l	99
96) 1,2,3-Trichlorobenzene	14.66	180	238636	23.08	ug/l	97

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

