

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD081518\
 Data File : VD059799.D
 Acq On : 15 Aug 2018 16:52
 Operator : VA/AP
 Sample : VD0815SBS02
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0815SBS02

Quant Time: Aug 16 07:46:58 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	5.62	168	276715	50.00	ug/l	-0.02
34) 1,4-Difluorobenzene	6.67	114	361244	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.68	117	300684	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.90	152	160446	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.00	65	186541	52.47	ug/l	-0.02
Spiked Amount	50.000		Recovery	=	104.94%	
35) Dibromofluoromethane	5.52	113	162062	51.48	ug/l	-0.02
Spiked Amount	50.000		Recovery	=	102.96%	
50) Toluene-d8	8.69	98	381136	51.12	ug/l	-0.02
Spiked Amount	50.000		Recovery	=	102.24%	
62) 4-Bromofluorobenzene	11.93	95	166816	49.94	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.88%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.32	85	60419	17.92	ug/l	97
3) Chloromethane	1.46	50	35022	18.92	ug/l	94
4) Vinyl Chloride	1.54	62	37202	18.97	ug/l	97
5) Bromomethane	1.77	94	7082	11.34	ug/l	86
6) Chloroethane	1.85	64	10580	12.94	ug/l	91
7) Trichlorofluoromethane	2.06	101	53021	17.22	ug/l	92
8) Diethyl Ether	2.33	74	11253	18.99	ug/l	78
9) 1,1,2-Trichlorotrifluoroet	2.53	101	31513	18.25	ug/l	95
10) Methyl Iodide	2.67	142	29930	16.47	ug/l	96
11) Tert butyl alcohol	3.26	59	11268	89.58	ug/l #	74
12) 1,1-Dichloroethene	2.52	96	22991	18.41	ug/l	94
13) Acrolein	2.45	56	7855	81.89	ug/l	87
14) Allyl chloride	2.90	41	57064	18.19	ug/l	96
15) Acrylonitrile	3.34	53	37646	85.42	ug/l	94
16) Acetone	2.59	43	55809	99.47	ug/l	93
17) Carbon Disulfide	2.73	76	75560	18.06	ug/l	96
18) Methyl Acetate	2.92	43	21974	18.32	ug/l	100
19) Methyl tert-butyl Ether	3.38	73	116394	19.10	ug/l	100
20) Methylene Chloride	3.04	84	31996	19.13	ug/l	96
21) trans-1,2-Dichloroethene	3.38	96	35164	14.29	ug/l	86
22) Diisopropyl ether	4.05	45	158930	18.78	ug/l	99
23) Vinyl Acetate	4.00	43	510400	106.48	ug/l	99
24) 1,1-Dichloroethane	3.95	63	97085	19.34	ug/l	99
25) 2-Butanone	4.82	43	79181	92.20	ug/l	97
26) 2,2-Dichloropropane	4.78	77	92696	20.19	ug/l	98
27) cis-1,2-Dichloroethene	4.79	96	51116	18.96	ug/l	97
28) Bromochloromethane	5.12	49	39395	20.00	ug/l	95
29) Tetrahydrofuran	5.16	42	38142	104.10	ug/l	97
30) Chloroform	5.30	83	110798	18.38	ug/l	98
31) Cyclohexane	5.57	56	65267	18.07	ug/l	99
32) 1,1,1-Trichloroethane	5.49	97	101643	19.17	ug/l	98
36) 1,1-Dichloropropene	5.73	75	74272	20.04	ug/l	97
37) Ethyl Acetate	4.90	43	44162	23.82	ug/l #	95
38) Carbon Tetrachloride	5.70	117	87956	19.67	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.27	83	63166	19.70	ug/l	92
40) Benzene	6.00	78	150651	19.16	ug/l	99
41) Methacrylonitrile	5.11	41	22163	24.99	ug/l	93
42) 1,2-Dichloroethane	6.10	62	87355	20.53	ug/l	97
43) Isopropyl Acetate	7.60	43	49227	21.03	ug/l	98
44) Trichloroethene	6.96	130	51929	19.29	ug/l	87
45) 1,2-Dichloropropane	7.33	63	41208	20.17	ug/l	98
46) Dibromomethane	7.44	93	35073	20.99	ug/l	97
47) Bromodichloromethane	7.73	83	80118	19.57	ug/l	94
48) Methyl methacrylate	7.49	41	32729	21.43	ug/l	92
49) 1,4-Dioxane	7.47	88	6610	491.38	ug/l	87
51) 4-Methyl-2-Pentanone	8.58	43	165840	93.72	ug/l	97
52) Toluene	8.79	92	100235	19.90	ug/l	95
53) t-1,3-Dichloropropene	9.17	75	70403	20.74	ug/l	94
54) cis-1,3-Dichloropropene	8.35	75	74355	20.27	ug/l	98
55) 1,1,2-Trichloroethane	9.44	97	37818	20.34	ug/l	91
56) Ethyl methacrylate	9.30	69	43644	21.68	ug/l	99
57) 1,3-Dichloropropane	9.66	76	59408	20.40	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.17	63	113382	113.93	ug/l	99
59) 2-Hexanone	9.77	43	129340	101.94	ug/l	96
60) Dibromochloromethane	9.94	129	53739	19.91	ug/l	88
61) 1,2-Dibromoethane	10.08	107	43585	21.16	ug/l	94
64) Tetrachloroethene	9.50	164	50743	19.59	ug/l	95
65) Chlorobenzene	10.72	112	123248	20.24	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.84	131	50804	20.70	ug/l	95
67) Ethyl Benzene	10.85	91	209335	19.97	ug/l	94
68) m/p-Xylenes	11.00	106	148831	41.88	ug/l	87
69) o-Xylene	11.40	106	68966	20.22	ug/l	85
70) Styrene	11.43	104	123017	20.34	ug/l	99
71) Bromoform	11.59	173	38421	21.54	ug/l	99
73) Isopropylbenzene	11.76	105	206720	20.35	ug/l	99
74) N-amyl acetate	11.64	43	72428	23.25	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.07	83	44890	21.76	ug/l	99
76) 1,2,3-Trichloropropane	12.11	75	49023	21.54	ug/l	99
77) Bromobenzene	12.04	156	63577	21.90	ug/l	94
78) n-propylbenzene	12.14	91	265780	20.97	ug/l	98
79) 2-Chlorotoluene	12.21	91	154069	20.16	ug/l	91
80) 1,3,5-Trimethylbenzene	12.31	105	165266	20.32	ug/l	95
81) trans-1,4-Dichloro-2-buten	11.84	75	12135	22.78	ug/l	86
82) 4-Chlorotoluene	12.32	91	179658	20.71	ug/l	100
83) tert-Butylbenzene	12.57	119	195192	21.72	ug/l	99
84) 1,2,4-Trimethylbenzene	12.62	105	175771	20.05	ug/l	100
85) sec-Butylbenzene	12.75	105	220068	21.12	ug/l	95
86) p-Isopropyltoluene	12.88	119	182686	20.96	ug/l	92
87) 1,3-Dichlorobenzene	12.83	146	107159	20.59	ug/l	98
88) 1,4-Dichlorobenzene	12.92	146	106160	20.57	ug/l	99
89) n-Butylbenzene	13.19	91	186373	21.15	ug/l	100
90) Hexachloroethane	13.39	117	46733	21.36	ug/l	89
91) 1,2-Dichlorobenzene	13.19	146	90735	21.19	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.77	75	7521	20.43	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	78071	21.81	ug/l	99
94) Hexachlorobutadiene	14.43	225	57979	21.94	ug/l	99
95) Naphthalene	14.51	128	119616	21.82	ug/l	100
96) 1,2,3-Trichlorobenzene	14.65	180	71149	22.52	ug/l	96

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

