

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD050219\
 Data File : VD062111.D
 Acq On : 2 May 2019 15:05
 Operator : FY/SY
 Sample : VD0502SBS02
 Misc : 5.00g/5mL/MSVOA D/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0502SBS02

Quant Time: May 03 01:09:00 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D042319S.M
 Quant Title : SW846 8260
 QLast Update : Thu May 02 07:55:52 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.02	168	530342	50.00	ug/l	-0.03
34) 1,4-Difluorobenzene	8.21	114	826015	50.00	ug/l	-0.02
63) Chlorobenzene-d5	12.36	117	721240	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.52	152	345897	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.44	65	235304	56.69	ug/l	-0.02
Spiked Amount			Recovery	=	113.38%	
35) Dibromofluoromethane	6.91	113	339437	59.42	ug/l	-0.03
Spiked Amount			Recovery	=	118.84%	
50) Toluene-d8	10.39	98	724144	53.27	ug/l	-0.03
Spiked Amount			Recovery	=	106.54%	
62) 4-Bromofluorobenzene	13.55	95	322250	59.10	ug/l	0.00
Spiked Amount			Recovery	=	118.20%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.56	85	85421	18.038	ug/l	96
3) Chloromethane	1.74	50	75496	18.757	ug/l	96
4) Vinyl Chloride	1.84	62	72819	19.961	ug/l	98
5) Bromomethane	2.13	94	20818	18.997	ug/l	96
6) Chloroethane	2.24	64	26322	19.961	ug/l #	86
7) Trichlorofluoromethane	2.52	101	123660	22.419	ug/l	97
8) Diethyl Ether	2.86	74	32663	22.095	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.14	101	117245	23.075	ug/l	100
10) Methyl Iodide	3.29	142	128362	20.210	ug/l	100
11) Tert butyl alcohol	4.04	59	30504	130.070	ug/l	95
12) 1,1-Dichloroethene	3.11	96	95676	22.133	ug/l	97
13) Acrolein	3.02	56	20682	84.996	ug/l	96
14) Allyl chloride	3.60	41	145112	24.583	ug/l	97
15) Acrylonitrile	4.17	53	94612	130.284	ug/l	93
16) Acetone	3.20	43	111115	112.115	ug/l	94
17) Carbon Disulfide	3.36	76	264124	21.144	ug/l	97
18) Methyl Acetate	3.62	43	51220	27.525	ug/l	98
19) Methyl tert-butyl Ether	4.22	73	209966	24.480	ug/l	98
20) Methylene Chloride	3.79	84	115943	22.261	ug/l	97
21) trans-1,2-Dichloroethene	4.20	96	113631	22.914	ug/l	94
22) Diisopropyl ether	5.08	45	319582	23.189	ug/l	91
23) Vinyl Acetate	5.03	43	893971	124.561	ug/l	100
24) 1,1-Dichloroethane	4.96	63	187752	22.540	ug/l	97
25) 2-Butanone	6.05	43	137313	114.274	ug/l	97
26) 2,2-Dichloropropane	6.00	77	158023	21.746	ug/l	98
27) cis-1,2-Dichloroethene	6.02	96	117599	20.845	ug/l	93
28) Bromochloromethane	6.41	49	71054	22.294	ug/l	92
29) Tetrahydrofuran	6.43	42	69008	116.555	ug/l	99
30) Chloroform	6.64	83	218189	23.062	ug/l	100
31) Cyclohexane	6.94	56	128433	20.773	ug/l	97
32) 1,1,1-Trichloroethane	6.85	97	184103	22.364	ug/l	99
36) 1,1-Dichloropropene	7.12	75	152080	23.631	ug/l	97
37) Ethyl Acetate	6.16	43	67083	24.461	ug/l	96
38) Carbon Tetrachloride	7.09	117	196483	24.094	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.85	83	140752	22.168	ug/l	97
40) Benzene	7.44	78	367365	23.058	ug/l	98
41) Methacrylonitrile	6.43	41	79162	24.740	ug/l #	86
42) 1,2-Dichloroethane	7.56	62	126549	23.394	ug/l	100
43) Isopropyl Acetate	9.22	43	96868	24.174	ug/l	100
44) Trichloroethene	8.52	130	134499	21.775	ug/l	99
45) 1,2-Dichloropropane	8.92	63	91919	22.742	ug/l	98
46) Dibromomethane	9.05	93	64671	22.236	ug/l	88
47) Bromodichloromethane	9.36	83	158213	23.023	ug/l	98
48) Methyl methacrylate	9.10	41	55273	24.176	ug/l	96
49) 1,4-Dioxane	9.06	88	12193	494.676	ug/l	94
51) 4-Methyl-2-Pentanone	10.28	43	301453	123.015	ug/l	98
52) Toluene	10.50	92	217118	21.373	ug/l	97
53) t-1,3-Dichloropropene	10.90	75	143682	24.909	ug/l	95
54) cis-1,3-Dichloropropene	10.03	75	160983	22.946	ug/l	98
55) 1,1,2-Trichloroethane	11.18	97	82008	24.046	ug/l	95
56) Ethyl methacrylate	11.03	69	86413	22.877	ug/l	97
57) 1,3-Dichloropropane	11.39	76	121512	23.069	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.84	63	241984	137.793	ug/l	98
59) 2-Hexanone	11.52	43	214951	116.932	ug/l	97
60) Dibromochloromethane	11.67	129	127399	22.576	ug/l	100
61) 1,2-Dibromoethane	11.80	107	93257	23.051	ug/l	95
64) Tetrachloroethene	11.25	164	104850	20.379	ug/l	96
65) Chlorobenzene	12.39	112	298934	21.934	ug/l	97
66) 1,1,1,2-Tetrachloroethane	12.51	131	125732	21.749	ug/l	96
67) Ethyl Benzene	12.52	91	489133	21.989	ug/l	98
68) m/p-Xylenes	12.65	106	344210	42.813	ug/l	96
69) o-Xylene	13.04	106	169153	22.994	ug/l	99
70) Styrene	13.07	104	289217	22.770	ug/l	96
71) Bromoform	13.23	173	71673	21.746	ug/l	98
73) Isopropylbenzene	13.39	105	453054	19.635	ug/l	99
74) N-amyl acetate	13.26	43	122687	20.646	ug/l	99
75) 1,1,2,2-Tetrachloroethane	13.69	83	92499	20.457	ug/l	98
76) 1,2,3-Trichloropropane	13.73	75	93992	21.399	ug/l	100
77) Bromobenzene	13.66	156	137737	20.809	ug/l	87
78) n-propylbenzene	13.77	91	560540	21.221	ug/l	100
79) 2-Chlorotoluene	13.84	91	316191	19.763	ug/l	98
80) 1,3,5-Trimethylbenzene	13.92	105	383126	20.824	ug/l	100
81) trans-1,4-Dichloro-2-buten	13.46	75	27869	20.937	ug/l	92
82) 4-Chlorotoluene	13.94	91	366993	20.829	ug/l	99
83) tert-Butylbenzene	14.18	119	432966	20.315	ug/l	97
84) 1,2,4-Trimethylbenzene	14.23	105	359804	20.481	ug/l	99
85) sec-Butylbenzene	14.36	105	473836	20.576	ug/l	100
86) p-Isopropyltoluene	14.49	119	437369	21.221	ug/l	99
87) 1,3-Dichlorobenzene	14.45	146	238219	20.552	ug/l	98
88) 1,4-Dichlorobenzene	14.53	146	225252	20.780	ug/l	98
89) n-Butylbenzene	14.79	91	414983	22.427	ug/l	97
90) Hexachloroethane	15.00	117	115814	20.781	ug/l	88
91) 1,2-Dichlorobenzene	14.80	146	217143	22.710	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	15.37	75	12007	19.663	ug/l	90

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.94	180	122165	23.680	ug/l	94
94) Hexachlorobutadiene	16.03	225	79006	20.694	ug/l	98
95) Naphthalene	16.12	128	187826	22.549	ug/l	99
96) 1,2,3-Trichlorobenzene	16.27	180	78391	26.781	ug/l	96

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

