

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD052119\
 Data File : VD062477.D
 Acq On : 21 May 2019 13:28
 Operator : VA/AP
 Sample : VD0521SBS01
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0521SBS01

Quant Time: May 22 01:43:09 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D052019S.M
 Quant Title : SW846 8260
 QLast Update : Tue May 21 03:32:39 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.05	168	739769	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.22	114	1014565	50.00	ug/l	0.00
63) Chlorobenzene-d5	12.37	117	857935	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.52	152	441685	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.46	65	434524	54.87	ug/l	0.00
Spiked Amount			Recovery	=	109.74%	
35) Dibromofluoromethane	6.93	113	492974	53.86	ug/l	-0.02
Spiked Amount			Recovery	=	107.72%	
50) Toluene-d8	10.41	98	1061769	53.01	ug/l	-0.02
Spiked Amount			Recovery	=	106.02%	
62) 4-Bromofluorobenzene	13.56	95	428129	48.86	ug/l	0.00
Spiked Amount			Recovery	=	97.72%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.58	85	185911	24.216	ug/l	93
3) Chloromethane	1.75	50	117713	22.969	ug/l	100
4) Vinyl Chloride	1.85	62	118884	22.045	ug/l	93
5) Bromomethane	2.15	94	44389	19.075	ug/l	90
6) Chloroethane	2.25	64	47008	18.019	ug/l	100
7) Trichlorofluoromethane	2.53	101	198459	15.927	ug/l	98
8) Diethyl Ether	2.88	74	25876	15.395	ug/l	87
9) 1,1,2-Trichlorotrifluoroet	3.15	101	166201	22.421	ug/l	94
10) Methyl Iodide	3.30	142	229877	22.240	ug/l #	86
11) Tert butyl alcohol	4.09	59	37523	102.658	ug/l #	85
12) 1,1-Dichloroethene	3.13	96	124460	22.718	ug/l	91
13) Acrolein	3.04	56	23574	77.663	ug/l	95
14) Allyl chloride	3.62	41	178606	22.110	ug/l #	80
15) Acrylonitrile	4.20	53	91598	109.363	ug/l	92
16) Acetone	3.24	43	147380	103.860	ug/l #	82
17) Carbon Disulfide	3.37	76	363921	21.934	ug/l	98
18) Methyl Acetate	3.65	43	56806	23.199	ug/l	98
19) Methyl tert-butyl Ether	4.24	73	270187	21.352	ug/l	99
20) Methylene Chloride	3.82	84	134164	18.179	ug/l	93
21) trans-1,2-Dichloroethene	4.23	96	137255	21.401	ug/l	98
22) Diisopropyl ether	5.13	45	395275	22.989	ug/l #	89
23) Vinyl Acetate	5.07	43	1125235	108.304	ug/l	97
24) 1,1-Dichloroethane	4.99	63	232218	20.970	ug/l	97
25) 2-Butanone	6.08	43	165164	111.284	ug/l	93
26) 2,2-Dichloropropane	6.03	77	249956	20.940	ug/l	94
27) cis-1,2-Dichloroethene	6.05	96	152042	21.985	ug/l	95
28) Bromochloromethane	6.44	49	80519	20.259	ug/l	98
29) Tetrahydrofuran	6.47	42	78400	110.607	ug/l	97
30) Chloroform	6.67	83	293678	20.802	ug/l	98
31) Cyclohexane	6.97	56	161865	21.649	ug/l	98
32) 1,1,1-Trichloroethane	6.88	97	310736	21.801	ug/l	96
36) 1,1-Dichloropropene	7.15	75	213847	22.046	ug/l	93
37) Ethyl Acetate	6.20	43	80823	21.448	ug/l #	88
38) Carbon Tetrachloride	7.11	117	309351	21.459	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.86	83	184931	23.115	ug/l	96
40) Benzene	7.46	78	426590	22.421	ug/l	97
41) Methacrylonitrile	6.46	41	101501	21.447	ug/l #	79
42) 1,2-Dichloroethane	7.59	62	207264	20.572	ug/l	95
43) Isopropyl Acetate	9.25	43	106129	21.230	ug/l	98
44) Trichloroethene	8.55	130	163523	21.465	ug/l	93
45) 1,2-Dichloropropane	8.94	63	107770	23.243	ug/l	98
46) Dibromomethane	9.07	93	87784	20.886	ug/l	88
47) Bromodichloromethane	9.38	83	219344	20.515	ug/l	95
48) Methyl methacrylate	9.12	41	71638	21.295	ug/l #	86
49) 1,4-Dioxane	9.09	88	14480	479.873	ug/l #	70
51) 4-Methyl-2-Pentanone	10.30	43	374594	113.429	ug/l	95
52) Toluene	10.51	92	299954	23.029	ug/l	100
53) t-1,3-Dichloropropene	10.92	75	200112	22.480	ug/l	99
54) cis-1,3-Dichloropropene	10.05	75	210018	22.611	ug/l #	86
55) 1,1,2-Trichloroethane	11.19	97	102580	23.237	ug/l	93
56) Ethyl methacrylate	11.04	69	105365	22.327	ug/l #	84
57) 1,3-Dichloropropane	11.41	76	149990	22.155	ug/l	96
58) 2-Chloroethyl Vinyl ether	9.86	63	279480	115.331	ug/l	97
59) 2-Hexanone	11.53	43	278827	116.171	ug/l	92
60) Dibromochloromethane	11.69	129	181870	21.450	ug/l	94
61) 1,2-Dibromoethane	11.81	107	122142	22.451	ug/l	97
64) Tetrachloroethene	11.27	164	154505	21.508	ug/l	93
65) Chlorobenzene	12.40	112	350480	21.243	ug/l	99
66) 1,1,1,2-Tetrachloroethane	12.52	131	166478	21.860	ug/l	94
67) Ethyl Benzene	12.53	91	634512	22.328	ug/l	97
68) m/p-Xylenes	12.67	106	457243	44.824	ug/l	95
69) o-Xylene	13.05	106	202172	21.006	ug/l	82
70) Styrene	13.08	104	379908	23.203	ug/l	96
71) Bromoform	13.23	173	106801	21.117	ug/l	97
73) Isopropylbenzene	13.40	105	600991	21.586	ug/l	95
74) N-amyl acetate	13.26	43	150948	21.952	ug/l	97
75) 1,1,2,2-Tetrachloroethane	13.70	83	108978	21.697	ug/l	97
76) 1,2,3-Trichloropropane	13.74	75	114101	21.932	ug/l	99
77) Bromobenzene	13.67	156	168326	21.313	ug/l	84
78) n-propylbenzene	13.78	91	737643	22.873	ug/l	98
79) 2-Chlorotoluene	13.84	91	446214	22.800	ug/l	96
80) 1,3,5-Trimethylbenzene	13.93	105	541353	22.457	ug/l	93
81) trans-1,4-Dichloro-2-buten	13.47	75	31442	21.429	ug/l #	72
82) 4-Chlorotoluene	13.95	91	497758	22.085	ug/l	90
83) tert-Butylbenzene	14.19	119	580745	21.719	ug/l	94
84) 1,2,4-Trimethylbenzene	14.24	105	512416	20.745	ug/l	91
85) sec-Butylbenzene	14.37	105	645154	23.139	ug/l	95
86) p-Isopropyltoluene	14.49	119	538922	21.329	ug/l	95
87) 1,3-Dichlorobenzene	14.45	146	289407	20.750	ug/l	99
88) 1,4-Dichlorobenzene	14.54	146	301489	22.401	ug/l	95
89) n-Butylbenzene	14.80	91	533506	21.879	ug/l	95
90) Hexachloroethane	15.01	117	147882	21.177	ug/l	98
91) 1,2-Dichlorobenzene	14.81	146	267983	22.596	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	15.38	75	20487	21.489	ug/l	71

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.94	180	209470	22.431	ug/l	100
94) Hexachlorobutadiene	16.04	225	150216	21.786	ug/l	96
95) Naphthalene	16.13	128	276203	21.646	ug/l	99
96) 1,2,3-Trichlorobenzene	16.27	180	161079	21.041	ug/l	95

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

