

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD052419\
 Data File : VD062531.D
 Acq On : 24 May 2019 14:54
 Operator : VA/AP
 Sample : VD0524SBS01
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0524SBS01

Quant Time: May 24 22:09:25 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	7.04	168	425164	50.00	ug/l	-0.02
34) 1,4-Difluorobenzene	8.21	114	552960	50.00	ug/l	-0.02
63) Chlorobenzene-d5	12.37	117	454876	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.52	152	263437	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	226753	49.82	ug/l	0.00
Spiked Amount			Recovery	=		99.64%
35) Dibromofluoromethane	6.92	113	232439	46.60	ug/l	-0.02
Spiked Amount			Recovery	=		93.20%
50) Toluene-d8	10.41	98	481317	44.09	ug/l	-0.02
Spiked Amount			Recovery	=		88.18%
62) 4-Bromofluorobenzene	13.56	95	214766	44.97	ug/l	0.00
Spiked Amount			Recovery	=		89.94%

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.57	85	95256	20.969	ug/l	94
3) Chloromethane	1.75	50	65095	22.101	ug/l	99
4) Vinyl Chloride	1.85	62	74136	23.920	ug/l	96
5) Bromomethane	2.14	94	37856	28.306	ug/l	97
6) Chloroethane	2.25	64	40008	26.684	ug/l	98
7) Trichlorofluoromethane	2.52	101	186239	26.007	ug/l	100
8) Diethyl Ether	2.87	74	18415	19.063	ug/l #	39
9) 1,1,2-Trichlorotrifluoroet	3.14	101	94765	22.243	ug/l	91
10) Methyl Iodide	3.30	142	128292	21.596	ug/l #	80
11) Tert butyl alcohol	4.08	59	25486	121.321	ug/l	100
12) 1,1-Dichloroethene	3.13	96	65612	20.838	ug/l #	76
13) Acrolein	3.04	56	14721	84.383	ug/l	90
14) Allyl chloride	3.62	41	93925	20.231	ug/l #	71
15) Acrylonitrile	4.20	53	48860	101.503	ug/l	88
16) Acetone	3.22	43	91418	112.094	ug/l #	78
17) Carbon Disulfide	3.37	76	196431	20.599	ug/l	100
18) Methyl Acetate	3.65	43	31212	22.179	ug/l	99
19) Methyl tert-butyl Ether	4.24	73	169800	23.348	ug/l	94
20) Methylene Chloride	3.80	84	75143	17.534	ug/l	91
21) trans-1,2-Dichloroethene	4.21	96	77016	20.894	ug/l	93
22) Diisopropyl ether	5.12	45	197131	19.949	ug/l	88
23) Vinyl Acetate	5.05	43	614883	102.976	ug/l	99
24) 1,1-Dichloroethane	4.98	63	133745	21.015	ug/l	98
25) 2-Butanone	6.08	43	84662	99.254	ug/l	93
26) 2,2-Dichloropropane	6.02	77	161763	23.579	ug/l	89
27) cis-1,2-Dichloroethene	6.03	96	80040	20.138	ug/l	91
28) Bromochloromethane	6.43	49	45885	20.088	ug/l	88
29) Tetrahydrofuran	6.46	42	39633	97.289	ug/l	94
30) Chloroform	6.66	83	176092	21.703	ug/l	99
31) Cyclohexane	6.95	56	81997	19.082	ug/l	93
32) 1,1,1-Trichloroethane	6.86	97	183884	22.448	ug/l	96
36) 1,1-Dichloropropene	7.14	75	120121	22.722	ug/l	94
37) Ethyl Acetate	6.18	43	52459	25.543	ug/l #	95
38) Carbon Tetrachloride	7.11	117	199742	25.422	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.86	83	93279	21.392	ug/l	90
40) Benzene	7.46	78	213054	20.545	ug/l	99
41) Methacrylonitrile	6.44	41	55529	21.528	ug/l #	81
42) 1,2-Dichloroethane	7.57	62	132655	24.158	ug/l	85
43) Isopropyl Acetate	9.25	43	57411	21.072	ug/l	90
44) Trichloroethene	8.54	130	89492	21.554	ug/l	88
45) 1,2-Dichloropropane	8.94	63	51496	20.377	ug/l	97
46) Dibromomethane	9.06	93	51814	22.619	ug/l	97
47) Bromodichloromethane	9.37	83	134182	23.026	ug/l	98
48) Methyl methacrylate	9.12	41	41662	22.723	ug/l #	80
49) 1,4-Dioxane	9.07	88	6922	420.897	ug/l #	91
51) 4-Methyl-2-Pentanone	10.30	43	198233	110.135	ug/l	93
52) Toluene	10.51	92	147689	20.804	ug/l	98
53) t-1,3-Dichloropropene	10.91	75	111259	22.932	ug/l	99
54) cis-1,3-Dichloropropene	10.03	75	117543	23.219	ug/l #	76
55) 1,1,2-Trichloroethane	11.18	97	50758	21.096	ug/l	99
56) Ethyl methacrylate	11.04	69	53914	20.961	ug/l #	71
57) 1,3-Dichloropropane	11.41	76	76251	20.665	ug/l	96
58) 2-Chloroethyl Vinyl ether	9.86	63	154722	117.148	ug/l	96
59) 2-Hexanone	11.53	43	141332	108.041	ug/l	92
60) Dibromochloromethane	11.69	129	108422	23.462	ug/l	99
61) 1,2-Dibromoethane	11.80	107	65095	21.954	ug/l	99
64) Tetrachloroethene	11.25	164	79358	20.836	ug/l	93
65) Chlorobenzene	12.40	112	175317	20.042	ug/l	97
66) 1,1,1,2-Tetrachloroethane	12.51	131	90560	22.428	ug/l	93
67) Ethyl Benzene	12.52	91	336124	22.309	ug/l	93
68) m/p-Xylenes	12.67	106	228159	42.186	ug/l	79
69) o-Xylene	13.04	106	105564	20.687	ug/l	71
70) Styrene	13.07	104	183743	21.166	ug/l #	92
71) Bromoform	13.23	173	66480	24.791	ug/l #	92
73) Isopropylbenzene	13.40	105	342084	20.601	ug/l	94
74) N-amyl acetate	13.26	43	82963	20.229	ug/l #	93
75) 1,1,2,2-Tetrachloroethane	13.69	83	51041	17.038	ug/l	91
76) 1,2,3-Trichloropropane	13.73	75	62751	20.223	ug/l	99
77) Bromobenzene	13.66	156	94028	19.961	ug/l	86
78) n-propylbenzene	13.77	91	398528	20.719	ug/l	97
79) 2-Chlorotoluene	13.84	91	230201	19.721	ug/l	94
80) 1,3,5-Trimethylbenzene	13.93	105	307588	21.393	ug/l	91
81) trans-1,4-Dichloro-2-buten	13.47	75	17722	20.251	ug/l #	49
82) 4-Chlorotoluene	13.94	91	287000	21.350	ug/l	79
83) tert-Butylbenzene	14.19	119	327094	20.510	ug/l	90
84) 1,2,4-Trimethylbenzene	14.24	105	318675	21.631	ug/l	93
85) sec-Butylbenzene	14.36	105	322430	19.389	ug/l	94
86) p-Isopropyltoluene	14.49	119	334507	22.197	ug/l	92
87) 1,3-Dichlorobenzene	14.45	146	173116	20.811	ug/l	97
88) 1,4-Dichlorobenzene	14.53	146	174664	21.759	ug/l	98
89) n-Butylbenzene	14.80	91	275634	18.952	ug/l	92
90) Hexachloroethane	15.00	117	91460	21.960	ug/l	100
91) 1,2-Dichlorobenzene	14.81	146	139468	19.717	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	15.38	75	12747	22.417	ug/l	59

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.94	180	110260	19.796	ug/l	96
94) Hexachlorobutadiene	16.04	225	83700	20.353	ug/l	99
95) Naphthalene	16.12	128	156770	20.599	ug/l	99
96) 1,2,3-Trichlorobenzene	16.27	180	89167	19.529	ug/l	98

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

