

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD052419\
 Data File : VD062528.D
 Acq On : 24 May 2019 13:33
 Operator : VA/AP
 Sample : VD0524SBS01
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0524SBS01

Quant Time: May 24 22:08:41 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	316075	50.00	ug/l	-0.03
34) 1,4-Difluorobenzene	8.22	114	406944	50.00	ug/l	-0.02
63) Chlorobenzene-d5	12.37	117	350889	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.51	152	211206	50.00	ug/l	-0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.45	65	236701	69.96	ug/l	-0.02
Spiked Amount	50.000		Recovery	=	139.92%	
35) Dibromofluoromethane	6.92	113	224798	61.23	ug/l	-0.03
Spiked Amount	50.000		Recovery	=	122.46%	
50) Toluene-d8	10.41	98	475696	59.21	ug/l	-0.02
Spiked Amount	50.000		Recovery	=	118.42%	
62) 4-Bromofluorobenzene	13.55	95	222866	63.42	ug/l	-0.02
Spiked Amount	50.000		Recovery	=	126.84%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.57	85	86162	26.752	ug/l	97
3) Chloromethane	1.74	50	52517	23.985	ug/l	97
4) Vinyl Chloride	1.84	62	59912	26.002	ug/l	98
5) Bromomethane	2.14	94	29093	29.261	ug/l	96
6) Chloroethane	2.24	64	31742	28.478	ug/l	92
7) Trichlorofluoromethane	2.52	101	159759	30.009	ug/l	99
8) Diethyl Ether	2.86	74	24085	33.537	ug/l	71
9) 1,1,2-Trichlorotrifluoroet	3.14	101	85402	26.964	ug/l	94
10) Methyl Iodide	3.30	142	98588	22.324	ug/l #	77
11) Tert butyl alcohol	4.07	59	17145	109.783	ug/l	96
12) 1,1-Dichloroethene	3.12	96	67632	28.893	ug/l	88
13) Acrolein	3.03	56	18169	140.093	ug/l #	76
14) Allyl chloride	3.61	41	75113	21.763	ug/l #	65
15) Acrylonitrile	4.19	53	40515	113.215	ug/l #	76
16) Acetone	3.22	43	73786	121.700	ug/l #	85
17) Carbon Disulfide	3.37	76	154861	21.845	ug/l	98
18) Methyl Acetate	3.64	43	24570	23.485	ug/l	96
19) Methyl tert-butyl Ether	4.23	73	142105	26.284	ug/l	92
20) Methylene Chloride	3.81	84	61742	20.131	ug/l #	85
21) trans-1,2-Dichloroethene	4.21	96	60829	22.198	ug/l	91
22) Diisopropyl ether	5.12	45	162479	22.117	ug/l #	88
23) Vinyl Acetate	5.05	43	523842	118.007	ug/l	96
24) 1,1-Dichloroethane	4.98	63	109064	23.051	ug/l	97
25) 2-Butanone	6.06	43	69566	109.704	ug/l	92
26) 2,2-Dichloropropane	6.01	77	130678	25.622	ug/l	84
27) cis-1,2-Dichloroethene	6.03	96	65882	22.296	ug/l	90
28) Bromochloromethane	6.44	49	35719	21.035	ug/l	89
29) Tetrahydrofuran	6.46	42	30767	101.591	ug/l	96
30) Chloroform	6.66	83	139418	23.113	ug/l	99
31) Cyclohexane	6.95	56	65288	20.437	ug/l	98
32) 1,1,1-Trichloroethane	6.87	97	141444	23.226	ug/l	99
36) 1,1-Dichloropropene	7.13	75	91817	23.599	ug/l	92
37) Ethyl Acetate	6.18	43	44245	29.273	ug/l #	93
38) Carbon Tetrachloride	7.10	117	151526	26.205	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.87	83	70922	22.101	ug/l	97
40) Benzene	7.45	78	168552	22.086	ug/l	93
41) Methacrylonitrile	6.44	41	45382	23.907	ug/l #	86
42) 1,2-Dichloroethane	7.58	62	110223	27.275	ug/l	87
43) Isopropyl Acetate	9.24	43	46803	23.342	ug/l	94
44) Trichloroethene	8.54	130	69277	22.672	ug/l	98
45) 1,2-Dichloropropane	8.93	63	40584	21.822	ug/l	96
46) Dibromomethane	9.06	93	39406	23.375	ug/l	89
47) Bromodichloromethane	9.37	83	113204	26.396	ug/l	99
48) Methyl methacrylate	9.12	41	33336	24.705	ug/l #	75
49) 1,4-Dioxane	9.08	88	5569	460.130	ug/l #	77
51) 4-Methyl-2-Pentanone	10.30	43	158641	119.764	ug/l	94
52) Toluene	10.51	92	122269	23.403	ug/l	98
53) t-1,3-Dichloropropene	10.91	75	91930	25.747	ug/l	99
54) cis-1,3-Dichloropropene	10.04	75	88654	23.796	ug/l #	78
55) 1,1,2-Trichloroethane	11.19	97	44067	24.887	ug/l	97
56) Ethyl methacrylate	11.04	69	47861	25.285	ug/l #	77
57) 1,3-Dichloropropane	11.41	76	62819	23.133	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.85	63	121548	125.051	ug/l	93
59) 2-Hexanone	11.53	43	123253	128.028	ug/l	85
60) Dibromochloromethane	11.68	129	89565	26.335	ug/l	100
61) 1,2-Dibromoethane	11.81	107	54368	24.915	ug/l	96
64) Tetrachloroethene	11.26	164	69520	23.662	ug/l	97
65) Chlorobenzene	12.40	112	154711	22.928	ug/l	99
66) 1,1,1,2-Tetrachloroethane	12.51	131	80170	25.739	ug/l	92
67) Ethyl Benzene	12.52	91	281093	24.185	ug/l	93
68) m/p-Xylenes	12.66	106	181356	43.469	ug/l	80
69) o-Xylene	13.05	106	87526	22.235	ug/l	80
70) Styrene	13.07	104	151617	22.641	ug/l #	89
71) Bromoform	13.24	173	54159	26.182	ug/l	98
73) Isopropylbenzene	13.40	105	286782	21.541	ug/l	94
74) N-amyl acetate	13.26	43	68169	20.732	ug/l #	94
75) 1,1,2,2-Tetrachloroethane	13.70	83	46774	19.475	ug/l	99
76) 1,2,3-Trichloropropane	13.73	75	57050	22.932	ug/l	96
77) Bromobenzene	13.67	156	78335	20.742	ug/l	90
78) n-propylbenzene	13.78	91	334406	21.685	ug/l	99
79) 2-Chlorotoluene	13.84	91	200150	21.387	ug/l	88
80) 1,3,5-Trimethylbenzene	13.93	105	248446	21.553	ug/l	93
81) trans-1,4-Dichloro-2-buten	13.47	75	14574	20.772	ug/l #	57
82) 4-Chlorotoluene	13.94	91	241983	22.452	ug/l	84
83) tert-Butylbenzene	14.19	119	276763	21.645	ug/l	92
84) 1,2,4-Trimethylbenzene	14.24	105	260297	22.037	ug/l	92
85) sec-Butylbenzene	14.37	105	276269	20.721	ug/l	97
86) p-Isopropyltoluene	14.49	119	269603	22.314	ug/l	88
87) 1,3-Dichlorobenzene	14.46	146	144361	21.646	ug/l	98
88) 1,4-Dichlorobenzene	14.53	146	136635	21.231	ug/l	96
89) n-Butylbenzene	14.80	91	245861	21.085	ug/l	94
90) Hexachloroethane	15.01	117	75706	22.672	ug/l	85
91) 1,2-Dichlorobenzene	14.81	146	130241	22.966	ug/l	96
92) 1,2-Dibromo-3-Chloropropan	15.38	75	10957	24.034	ug/l	73

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.94	180	96708	21.657	ug/l	96
94) Hexachlorobutadiene	16.04	225	68163	20.673	ug/l	95
95) Naphthalene	16.12	128	130979	21.467	ug/l	98
96) 1,2,3-Trichlorobenzene	16.27	180	76647	20.938	ug/l	96

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

