

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD082119\
 Data File : VD063707.D
 Acq On : 21 Aug 2019 12:35
 Operator : JC/SY
 Sample : VD0821SBS01
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0821SBS01

Quant Time: Aug 22 01:24:17 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D080919S.M
 Quant Title : SW846 8260
 QLast Update : Sat Aug 10 06:42:47 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.04	168	1019017	50.00	ug/l	-0.03
34) 1,4-Difluorobenzene	8.21	114	1338755	50.00	ug/l	-0.03
63) Chlorobenzene-d5	12.36	117	1229065	50.00	ug/l	-0.02
72) 1,4-Dichlorobenzene-d4	14.52	152	564771	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	584480	53.66	ug/l	-0.03
Spiked Amount	50.000		Recovery	=	107.32%	
35) Dibromofluoromethane	6.91	113	644411	57.15	ug/l	-0.03
Spiked Amount	50.000		Recovery	=	114.30%	
50) Toluene-d8	10.40	98	1437755	58.00	ug/l	-0.02
Spiked Amount	50.000		Recovery	=	116.00%	
62) 4-Bromofluorobenzene	13.55	95	591824	52.68	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.36%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.56	85	273433	22.179	ug/l	97
3) Chloromethane	1.74	50	218558	22.690	ug/l	91
4) Vinyl Chloride	1.83	62	211997	22.171	ug/l #	88
5) Bromomethane	2.14	94	88501	19.615	ug/l	85
6) Chloroethane	2.24	64	94622	21.639	ug/l	95
7) Trichlorofluoromethane	2.51	101	425210	22.671	ug/l	93
8) Diethyl Ether	2.85	74	59959	22.642	ug/l	93
9) 1,1,2-Trichlorotrifluoroet	3.13	101	213689	19.295	ug/l	93
10) Methyl Iodide	3.28	142	292711	18.680	ug/l #	98
11) Tert butyl alcohol	4.08	59	57279	120.798	ug/l	98
12) 1,1-Dichloroethene	3.10	96	172650	20.968	ug/l	98
13) Acrolein	3.02	56	32027	68.619	ug/l	85
14) Allyl chloride	3.60	41	269742	21.792	ug/l	97
15) Acrylonitrile	4.18	53	145063	115.499	ug/l	96
16) Acetone	3.21	43	240905	108.798	ug/l	98
17) Carbon Disulfide	3.36	76	544560	20.955	ug/l	98
18) Methyl Acetate	3.63	43	95419	22.751	ug/l #	90
19) Methyl tert-butyl Ether	4.22	73	385530	23.412	ug/l	96
20) Methylene Chloride	3.80	84	203250	21.228	ug/l	98
21) trans-1,2-Dichloroethene	4.19	96	202358	23.354	ug/l	92
22) Diisopropyl ether	5.11	45	564409	22.097	ug/l	96
23) Vinyl Acetate	5.04	43	1696984	114.280	ug/l	98
24) 1,1-Dichloroethane	4.96	63	349603	22.068	ug/l	99
25) 2-Butanone	6.06	43	249607	114.140	ug/l #	89
26) 2,2-Dichloropropane	6.00	77	351632	22.284	ug/l	99
27) cis-1,2-Dichloroethene	6.02	96	205926	21.722	ug/l	91
28) Bromochloromethane	6.43	49	136606	21.276	ug/l	88
29) Tetrahydrofuran	6.45	42	116124	113.957	ug/l	98
30) Chloroform	6.65	83	444597	22.578	ug/l	96
31) Cyclohexane	6.94	56	208062	21.155	ug/l	98
32) 1,1,1-Trichloroethane	6.86	97	410906	21.814	ug/l	96
36) 1,1-Dichloropropene	7.13	75	288221	24.354	ug/l	95
37) Ethyl Acetate	6.17	43	118742	23.944	ug/l #	96
38) Carbon Tetrachloride	7.10	117	439060	24.616	ug/l	94

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.85	83	214979	21.362	ug/l	90
40) Benzene	7.44	78	615204	23.621	ug/l	94
41) Methacrylonitrile	6.44	41	161767	25.907	ug/l	95
42) 1,2-Dichloroethane	7.57	62	305867	23.356	ug/l	99
43) Isopropyl Acetate	9.23	43	155737	23.448	ug/l #	98
44) Trichloroethene	8.53	130	241826	24.293	ug/l	84
45) 1,2-Dichloropropane	8.94	63	140139	23.106	ug/l #	89
46) Dibromomethane	9.06	93	127449	24.606	ug/l	96
47) Bromodichloromethane	9.37	83	315650	23.758	ug/l	96
48) Methyl methacrylate	9.11	41	108259	24.034	ug/l	94
49) 1,4-Dioxane	9.08	88	21236	539.626	ug/l #	93
51) 4-Methyl-2-Pentanone	10.30	43	541980	119.250	ug/l	99
52) Toluene	10.50	92	390268	23.265	ug/l	94
53) t-1,3-Dichloropropene	10.91	75	267402	24.662	ug/l	98
54) cis-1,3-Dichloropropene	10.04	75	274618	22.462	ug/l	92
55) 1,1,2-Trichloroethane	11.19	97	132744	23.426	ug/l	94
56) Ethyl methacrylate	11.04	69	142003	23.088	ug/l	92
57) 1,3-Dichloropropane	11.41	76	204058	23.823	ug/l	97
58) 2-Chloroethyl Vinyl ether	9.85	63	356900	109.916	ug/l	95
59) 2-Hexanone	11.53	43	376406	113.821	ug/l	99
60) Dibromochloromethane	11.68	129	260306	25.245	ug/l	99
61) 1,2-Dibromoethane	11.80	107	159932	23.314	ug/l	98
64) Tetrachloroethene	11.25	164	209682	22.100	ug/l	97
65) Chlorobenzene	12.39	112	525439	22.810	ug/l	97
66) 1,1,1,2-Tetrachloroethane	12.51	131	219978	21.699	ug/l	95
67) Ethyl Benzene	12.52	91	869384	21.706	ug/l	99
68) m/p-Xylenes	12.67	106	591655	42.045	ug/l	98
69) o-Xylene	13.05	106	302827	22.359	ug/l	90
70) Styrene	13.07	104	486851	20.208	ug/l	99
71) Bromoform	13.23	173	153341	22.059	ug/l #	90
73) Isopropylbenzene	13.41	105	890950	24.802	ug/l	100
74) N-amyl acetate	13.27	43	212715	23.589	ug/l	94
75) 1,1,2,2-Tetrachloroethane	13.70	83	150303	25.208	ug/l	94
76) 1,2,3-Trichloropropane	13.73	75	174013	26.847	ug/l	100
77) Bromobenzene	13.67	156	251805	25.648	ug/l	87
78) n-propylbenzene	13.77	91	983023	23.388	ug/l	95
79) 2-Chlorotoluene	13.84	91	577677	23.837	ug/l	96
80) 1,3,5-Trimethylbenzene	13.93	105	767005	24.437	ug/l	95
81) trans-1,4-Dichloro-2-buten	13.48	75	38410	22.048	ug/l	97
82) 4-Chlorotoluene	13.95	91	726800	24.941	ug/l	99
83) tert-Butylbenzene	14.18	119	866709	26.223	ug/l	92
84) 1,2,4-Trimethylbenzene	14.23	105	776597	26.741	ug/l	92
85) sec-Butylbenzene	14.37	105	870885	24.812	ug/l	97
86) p-Isopropyltoluene	14.49	119	838852	24.995	ug/l	98
87) 1,3-Dichlorobenzene	14.45	146	404839	22.797	ug/l	94
88) 1,4-Dichlorobenzene	14.54	146	427502	25.091	ug/l	94
89) n-Butylbenzene	14.80	91	761725	24.868	ug/l	96
90) Hexachloroethane	15.00	117	206456	24.475	ug/l	81
91) 1,2-Dichlorobenzene	14.80	146	378144	25.098	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	15.39	75	23929	21.314	ug/l	84

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.95	180	296135	26.711	µg/l	94
94) Hexachlorobutadiene	16.04	225	193816	22.938	µg/l	94
95) Naphthalene	16.12	128	385507	22.945	µg/l	98
96) 1,2,3-Trichlorobenzene	16.27	180	240667	26.877	µg/l	96

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

