

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD051519\
 Data File : VD062388.D
 Acq On : 15 May 2019 15:15
 Operator : FY/SY
 Sample : VD0515SBS01
 Misc : 5.00g/5mL/MSVOA D/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0515SBS01

Quant Time: May 16 03:56:51 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D050719S.M
 Quant Title : SW846 8260
 QLast Update : Tue May 07 14:26:29 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.06	168	629868	50.00	ug/l	0.04
34) 1,4-Difluorobenzene	8.23	114	912388	50.00	ug/l	0.04
63) Chlorobenzene-d5	12.37	117	751925	50.00	ug/l	0.02
72) 1,4-Dichlorobenzene-d4	14.52	152	435473	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	324943	55.51	ug/l	0.04
Spiked Amount			Recovery	=	111.02%	
35) Dibromofluoromethane	6.93	113	377829	49.91	ug/l	0.04
Spiked Amount			Recovery	=	99.82%	
50) Toluene-d8	10.42	98	807706	44.25	ug/l	0.02
Spiked Amount			Recovery	=	88.50%	
62) 4-Bromofluorobenzene	13.56	95	371463	50.68	ug/l	0.02
Spiked Amount			Recovery	=	101.36%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.58	85	103201	17.131	ug/l	96
3) Chloromethane	1.76	50	72888	16.745	ug/l	100
4) Vinyl Chloride	1.85	62	77734	18.171	ug/l	98
5) Bromomethane	2.15	94	29538	29.467	ug/l	94
6) Chloroethane	2.26	64	37694	20.998	ug/l	91
7) Trichlorofluoromethane	2.53	101	198667	23.887	ug/l	99
8) Diethyl Ether	2.88	74	31126	19.405	ug/l	85
9) 1,1,2-Trichlorotrifluoroet	3.15	101	133996	21.298	ug/l	94
10) Methyl Iodide	3.31	142	136611	14.367	ug/l	92
11) Tert butyl alcohol	4.09	59	32430	108.539	ug/l #	93
12) 1,1-Dichloroethene	3.13	96	93021	19.369	ug/l	96
13) Acrolein	3.03	56	24549	79.437	ug/l	92
14) Allyl chloride	3.63	41	141488	20.262	ug/l #	81
15) Acrylonitrile	4.21	53	78353	99.769	ug/l #	80
16) Acetone	3.23	43	156462	127.461	ug/l	90
17) Carbon Disulfide	3.38	76	223737	16.194	ug/l	100
18) Methyl Acetate	3.64	43	48057	21.718	ug/l	94
19) Methyl tert-butyl Ether	4.26	73	220614	21.431	ug/l #	90
20) Methylene Chloride	3.82	84	100204	19.551	ug/l	88
21) trans-1,2-Dichloroethene	4.23	96	92651	17.337	ug/l	95
22) Diisopropyl ether	5.13	45	330271	22.226	ug/l #	94
23) Vinyl Acetate	5.07	43	932448	118.933	ug/l	96
24) 1,1-Dichloroethane	4.99	63	187223	20.885	ug/l	97
25) 2-Butanone	6.08	43	154314	115.251	ug/l	98
26) 2,2-Dichloropropane	6.04	77	205134	22.973	ug/l	89
27) cis-1,2-Dichloroethene	6.05	96	117843	19.700	ug/l	93
28) Bromochloromethane	6.45	49	92413	26.203	ug/l	84
29) Tetrahydrofuran	6.47	42	69288	112.311	ug/l	94
30) Chloroform	6.68	83	241016	22.309	ug/l	100
31) Cyclohexane	6.96	56	111742	18.195	ug/l	95
32) 1,1,1-Trichloroethane	6.88	97	237806	23.288	ug/l	96
36) 1,1-Dichloropropene	7.16	75	142721	19.078	ug/l	89
37) Ethyl Acetate	6.19	43	62770	19.786	ug/l #	88
38) Carbon Tetrachloride	7.12	117	221972	21.438	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.88	83	123518	17.233	ug/l	99
40) Benzene	7.46	78	317578	18.800	ug/l	97
41) Methacrylonitrile	6.46	41	84735	21.856	ug/l #	87
42) 1,2-Dichloroethane	7.59	62	166599	23.278	ug/l	93
43) Isopropyl Acetate	9.24	43	87126	19.364	ug/l #	87
44) Trichloroethene	8.55	130	120395	18.704	ug/l	72
45) 1,2-Dichloropropane	8.95	63	75007	17.951	ug/l #	88
46) Dibromomethane	9.08	93	71164	20.944	ug/l	92
47) Bromodichloromethane	9.38	83	176855	21.279	ug/l #	95
48) Methyl methacrylate	9.14	41	58067	20.952	ug/l #	86
49) 1,4-Dioxane	9.09	88	11133	372.320	ug/l #	92
51) 4-Methyl-2-Pentanone	10.31	43	301780	104.344	ug/l	91
52) Toluene	10.51	92	220753	20.085	ug/l	100
53) t-1,3-Dichloropropene	10.92	75	141571	19.709	ug/l	99
54) cis-1,3-Dichloropropene	10.05	75	159659	20.375	ug/l	92
55) 1,1,2-Trichloroethane	11.20	97	82767	21.283	ug/l	92
56) Ethyl methacrylate	11.06	69	74144	18.348	ug/l #	82
57) 1,3-Dichloropropane	11.42	76	116221	19.782	ug/l	97
58) 2-Chloroethyl Vinyl ether	9.86	63	239169	108.350	ug/l	99
59) 2-Hexanone	11.54	43	239279	112.251	ug/l	91
60) Dibromochloromethane	11.69	129	133527	19.868	ug/l	93
61) 1,2-Dibromoethane	11.81	107	95370	20.172	ug/l	96
64) Tetrachloroethene	11.27	164	105820	17.997	ug/l	94
65) Chlorobenzene	12.40	112	267784	19.121	ug/l	100
66) 1,1,1,2-Tetrachloroethane	12.52	131	129749	21.287	ug/l	95
67) Ethyl Benzene	12.53	91	490023	20.900	ug/l	97
68) m/p-Xylenes	12.68	106	352916	41.372	ug/l	85
69) o-Xylene	13.05	106	168697	21.272	ug/l	84
70) Styrene	13.08	104	269440	20.056	ug/l	97
71) Bromoform	13.24	173	82354	19.420	ug/l	99
73) Isopropylbenzene	13.41	105	501172	19.199	ug/l	95
74) N-amyl acetate	13.27	43	125203	18.294	ug/l	94
75) 1,1,2,2-Tetrachloroethane	13.70	83	87841	17.775	ug/l	99
76) 1,2,3-Trichloropropane	13.74	75	100184	19.358	ug/l	99
77) Bromobenzene	13.67	156	131380	17.979	ug/l	85
78) n-propylbenzene	13.78	91	548042	17.600	ug/l	96
79) 2-Chlorotoluene	13.85	91	342783	19.221	ug/l	96
80) 1,3,5-Trimethylbenzene	13.94	105	418447	19.036	ug/l	90
81) trans-1,4-Dichloro-2-buten	13.48	75	22138	15.153	ug/l #	78
82) 4-Chlorotoluene	13.95	91	406625	19.376	ug/l	83
83) tert-Butylbenzene	14.19	119	453143	18.341	ug/l	90
84) 1,2,4-Trimethylbenzene	14.24	105	437090	19.815	ug/l	89
85) sec-Butylbenzene	14.37	105	517388	19.100	ug/l	97
86) p-Isopropyltoluene	14.50	119	482685	19.944	ug/l	96
87) 1,3-Dichlorobenzene	14.46	146	245475	18.389	ug/l	97
88) 1,4-Dichlorobenzene	14.54	146	238553	18.188	ug/l	98
89) n-Butylbenzene	14.80	91	429570	19.775	ug/l	93
90) Hexachloroethane	15.01	117	121693	18.490	ug/l	97
91) 1,2-Dichlorobenzene	14.81	146	213238	19.397	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	15.39	75	16864	20.789	ug/l	65

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.95	180	148049	18.502	ug/l	98
94) Hexachlorobutadiene	16.04	225	115618	19.427	ug/l	99
95) Naphthalene	16.13	128	211362	18.920	ug/l	99
96) 1,2,3-Trichlorobenzene	16.28	180	118072	23.469	ug/l	94

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

