

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD051319\
 Data File : VD062298.D
 Acq On : 13 May 2019 12:13
 Operator : FY/SY
 Sample : VD0513SBS01
 Misc : 5.00g/5mL/MSVOA D/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0513SBS01

Quant Time: May 14 05:08:29 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	7.07	168	697139	50.00	ug/l	0.05
34) 1,4-Difluorobenzene	8.23	114	1034296	50.00	ug/l	0.04
63) Chlorobenzene-d5	12.37	117	806077	50.00	ug/l	0.02
72) 1,4-Dichlorobenzene-d4	14.53	152	444133	50.00	ug/l	0.02

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.47	65	377469	58.26	ug/l	0.05
Spiked Amount	50.000		Recovery	=	116.52%	
35) Dibromofluoromethane	6.94	113	412355	48.05	ug/l	0.05
Spiked Amount	50.000		Recovery	=	96.10%	
50) Toluene-d8	10.43	98	894704	43.24	ug/l	0.03
Spiked Amount	50.000		Recovery	=	86.48%	
62) 4-Bromofluorobenzene	13.57	95	366776	44.14	ug/l	0.02
Spiked Amount	50.000		Recovery	=	88.28%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.59	85	129454	19.416	ug/l	95
3) Chloromethane	1.76	50	88723	18.416	ug/l #	87
4) Vinyl Chloride	1.86	62	88098	18.606	ug/l	100
5) Bromomethane	2.16	94	32049	28.887	ug/l #	96
6) Chloroethane	2.27	64	39780	20.022	ug/l	96
7) Trichlorofluoromethane	2.53	101	228354	24.807	ug/l	94
8) Diethyl Ether	2.89	74	33338	18.779	ug/l	88
9) 1,1,2-Trichlorotrifluoroet	3.16	101	140803	20.220	ug/l	95
10) Methyl Iodide	3.32	142	158388	15.050	ug/l #	84
11) Tert butyl alcohol	4.10	59	36775	111.204	ug/l	99
12) 1,1-Dichloroethene	3.14	96	91951	17.298	ug/l	88
13) Acrolein	3.05	56	28029	81.946	ug/l	96
14) Allyl chloride	3.64	41	158583	20.519	ug/l #	81
15) Acrylonitrile	4.22	53	88548	101.870	ug/l	94
16) Acetone	3.24	43	151141	111.245	ug/l #	82
17) Carbon Disulfide	3.39	76	250908	16.409	ug/l	96
18) Methyl Acetate	3.67	43	51800	21.143	ug/l	94
19) Methyl tert-butyl Ether	4.26	73	249619	21.909	ug/l	96
20) Methylene Chloride	3.83	84	121334	21.389	ug/l	94
21) trans-1,2-Dichloroethene	4.24	96	115695	19.560	ug/l	93
22) Diisopropyl ether	5.14	45	341720	20.777	ug/l	92
23) Vinyl Acetate	5.08	43	1020441	117.597	ug/l	96
24) 1,1-Dichloroethane	5.01	63	213027	21.471	ug/l	99
25) 2-Butanone	6.09	43	155946	105.231	ug/l	92
26) 2,2-Dichloropropane	6.05	77	232544	23.529	ug/l	98
27) cis-1,2-Dichloroethene	6.06	96	127199	19.212	ug/l	90
28) Bromochloromethane	6.46	49	95795	24.541	ug/l #	80
29) Tetrahydrofuran	6.48	42	75191	110.119	ug/l	92
30) Chloroform	6.69	83	270820	22.649	ug/l	96
31) Cyclohexane	6.97	56	127707	18.788	ug/l	95
32) 1,1,1-Trichloroethane	6.89	97	271598	24.031	ug/l	96
36) 1,1-Dichloropropene	7.17	75	170586	20.116	ug/l	97
37) Ethyl Acetate	6.21	43	74155	20.619	ug/l #	91
38) Carbon Tetrachloride	7.13	117	238627	20.330	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.88	83	151181	18.607	ug/l	93
40) Benzene	7.47	78	356445	18.614	ug/l	98
41) Methacrylonitrile	6.48	41	96384	21.931	ug/l #	78
42) 1,2-Dichloroethane	7.60	62	185983	22.923	ug/l	87
43) Isopropyl Acetate	9.26	43	98375	19.288	ug/l	94
44) Trichloroethene	8.56	130	129206	17.707	ug/l	90
45) 1,2-Dichloropropane	8.96	63	94404	19.931	ug/l	96
46) Dibromomethane	9.08	93	80481	20.895	ug/l	92
47) Bromodichloromethane	9.39	83	203029	21.549	ug/l	98
48) Methyl methacrylate	9.14	41	71485	22.754	ug/l #	78
49) 1,4-Dioxane	9.10	88	12948	381.981	ug/l #	85
51) 4-Methyl-2-Pentanone	10.32	43	355882	108.547	ug/l	92
52) Toluene	10.52	92	232615	18.670	ug/l	100
53) t-1,3-Dichloropropene	10.93	75	169996	20.877	ug/l	96
54) cis-1,3-Dichloropropene	10.05	75	171875	19.348	ug/l #	83
55) 1,1,2-Trichloroethane	11.20	97	85390	19.370	ug/l	96
56) Ethyl methacrylate	11.07	69	85564	18.678	ug/l	97
57) 1,3-Dichloropropane	11.42	76	128535	19.299	ug/l	96
58) 2-Chloroethyl Vinyl ether	9.88	63	267288	106.817	ug/l	97
59) 2-Hexanone	11.55	43	249286	103.162	ug/l	89
60) Dibromochloromethane	11.70	129	155437	20.402	ug/l	99
61) 1,2-Dibromoethane	11.81	107	102712	19.164	ug/l	93
64) Tetrachloroethene	11.27	164	125597	19.926	ug/l	96
65) Chlorobenzene	12.41	112	288607	19.223	ug/l	99
66) 1,1,1,2-Tetrachloroethane	12.52	131	144126	22.058	ug/l	95
67) Ethyl Benzene	12.53	91	547388	21.778	ug/l	93
68) m/p-Xylenes	12.68	106	373607	40.855	ug/l	82
69) o-Xylene	13.05	106	173903	20.455	ug/l	75
70) Styrene	13.08	104	302549	21.008	ug/l	94
71) Bromoform	13.24	173	97256	21.394	ug/l	97
73) Isopropylbenzene	13.41	105	571743	21.476	ug/l	92
74) N-amyl acetate	13.27	43	140478	20.126	ug/l	94
75) 1,1,2,2-Tetrachloroethane	13.70	83	102920	20.421	ug/l	98
76) 1,2,3-Trichloropropane	13.74	75	109107	20.671	ug/l	99
77) Bromobenzene	13.68	156	141802	19.027	ug/l	93
78) n-propylbenzene	13.78	91	618878	19.487	ug/l	95
79) 2-Chlorotoluene	13.85	91	392552	21.583	ug/l	91
80) 1,3,5-Trimethylbenzene	13.94	105	458336	20.445	ug/l	88
81) trans-1,4-Dichloro-2-buten	13.49	75	27520	18.469	ug/l #	84
82) 4-Chlorotoluene	13.96	91	462118	21.591	ug/l	89
83) tert-Butylbenzene	14.20	119	496786	19.715	ug/l	89
84) 1,2,4-Trimethylbenzene	14.24	105	459384	20.420	ug/l	89
85) sec-Butylbenzene	14.37	105	554285	20.063	ug/l	97
86) p-Isopropyltoluene	14.50	119	487750	19.760	ug/l	94
87) 1,3-Dichlorobenzene	14.46	146	251131	18.446	ug/l	97
88) 1,4-Dichlorobenzene	14.55	146	255482	19.099	ug/l	93
89) n-Butylbenzene	14.81	91	488480	22.048	ug/l	94
90) Hexachloroethane	15.01	117	140451	20.923	ug/l	98
91) 1,2-Dichlorobenzene	14.82	146	240826	21.479	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	15.39	75	18985	22.947	ug/l	77

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.95	180	164029	20.099	ug/l	97
94) Hexachlorobutadiene	16.05	225	122769	20.226	ug/l	98
95) Naphthalene	16.13	128	236082	20.721	ug/l	99
96) 1,2,3-Trichlorobenzene	16.28	180	111248	21.681	ug/l	91

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

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