

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD080819\
 Data File : VD063466.D
 Acq On : 9 Aug 2019 5:42
 Operator : JC/SY
 Sample : K4237-06MSD
 Misc : 4.50u/5ml/MSVOA D/SOIL
 ALS Vial : 42 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 SB-05(13-14)MSD

Quant Time: Aug 09 07:06:17 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D072919S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 30 03:04:50 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.05	168	806079	50.00	ug/l	0.01
34) 1,4-Difluorobenzene	8.22	114	1192063	50.00	ug/l	0.01
63) Chlorobenzene-d5	12.37	117	961375	50.00	ug/l	0.01
72) 1,4-Dichlorobenzene-d4	14.52	152	408965	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.45	65	463364	51.81	ug/l	0.01
Spiked Amount			Recovery	=	103.62%	
35) Dibromofluoromethane	6.92	113	505347	49.65	ug/l	0.01
Spiked Amount			Recovery	=	99.30%	
50) Toluene-d8	10.42	98	1049492	46.08	ug/l	0.01
Spiked Amount			Recovery	=	92.16%	
62) 4-Bromofluorobenzene	13.56	95	411066	39.60	ug/l	0.00
Spiked Amount			Recovery	=	79.20%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.57	85	428926	43.531	ug/l	98
3) Chloromethane	1.73	50	382924	50.020	ug/l #	87
4) Vinyl Chloride	1.84	62	395285	49.878	ug/l	97
5) Bromomethane	2.15	94	220410	55.145	ug/l	98
6) Chloroethane	2.25	64	204264	55.826	ug/l	90
7) Trichlorofluoromethane	2.53	101	842594	54.804	ug/l	97
8) Diethyl Ether	2.87	74	111779	51.949	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	3.14	101	468066	54.960	ug/l	99
10) Methyl Iodide	3.30	142	653970	53.155	ug/l	96
11) Tert butyl alcohol	4.07	59	90419	230.358	ug/l #	86
12) 1,1-Dichloroethene	3.12	96	356975	57.096	ug/l	79
13) Acrolein	2.92	56	396	1.048	ug/l	83
14) Allyl chloride	3.61	41	557182	55.942	ug/l	93
15) Acrylonitrile	4.19	53	260276	255.767	ug/l	90
16) Acetone	3.22	43	474221	272.121	ug/l	97
17) Carbon Disulfide	3.37	76	941679	44.998	ug/l	96
18) Methyl Acetate	3.63	43	436473	130.392	ug/l	97
19) Methyl tert-butyl Ether	4.23	73	785389	55.611	ug/l	96
20) Methylene Chloride	3.81	84	399510	56.715	ug/l	96
21) trans-1,2-Dichloroethene	4.21	96	377065	53.749	ug/l	89
22) Diisopropyl ether	5.12	45	1132622	56.918	ug/l #	83
23) Vinyl Acetate	5.05	43	546855	44.707	ug/l	97
24) 1,1-Dichloroethane	4.98	63	722602	56.850	ug/l	97
25) 2-Butanone	6.07	43	440525	251.883	ug/l	93
26) 2,2-Dichloropropane	6.02	77	601760	45.940	ug/l	92
27) cis-1,2-Dichloroethene	6.04	96	393030	52.255	ug/l	98
28) Bromochloromethane	6.44	49	280567	55.401	ug/l #	97
29) Tetrahydrofuran	6.46	42	208012	251.213	ug/l	99
30) Chloroform	6.67	83	905081	57.378	ug/l	100
31) Cyclohexane	6.95	56	415134	52.106	ug/l	88
32) 1,1,1-Trichloroethane	6.87	97	886750	58.118	ug/l	95
36) 1,1-Dichloropropene	7.15	75	525080	48.265	ug/l	99
37) Ethyl Acetate	6.18	43	137782	28.190	ug/l #	95
38) Carbon Tetrachloride	7.11	117	915219	55.881	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.87	83	416676	45.970	ug/l	92
40) Benzene	7.45	78	1230508	53.968	ug/l	97
41) Methacrylonitrile	6.45	41	272292	46.574	ug/l #	92
42) 1,2-Dichloroethane	7.58	62	618359	51.173	ug/l	98
43) Isopropyl Acetate	9.24	43	148149	23.729	ug/l #	97
44) Trichloroethene	8.55	130	441814	47.820	ug/l	99
45) 1,2-Dichloropropane	8.94	63	279784	48.278	ug/l	93
46) Dibromomethane	9.07	93	242113	50.244	ug/l	86
47) Bromodichloromethane	9.37	83	646102	52.600	ug/l	95
48) Methyl methacrylate	9.12	41	236365	58.374	ug/l	93
49) 1,4-Dioxane	9.09	88	33129	965.690	ug/l #	82
51) 4-Methyl-2-Pentanone	10.31	43	997036	234.819	ug/l	100
52) Toluene	10.51	92	759881	50.109	ug/l	93
53) t-1,3-Dichloropropene	10.92	75	459199	43.362	ug/l	91
54) cis-1,3-Dichloropropene	10.04	75	534056	47.984	ug/l	98
55) 1,1,2-Trichloroethane	11.19	97	261277	51.015	ug/l	97
56) Ethyl methacrylate	11.05	69	167796	29.919	ug/l	93
57) 1,3-Dichloropropane	11.41	76	411699	51.019	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.85	63	663132	227.237	ug/l	97
59) 2-Hexanone	11.54	43	683077	223.241	ug/l	100
60) Dibromochloromethane	11.69	129	488985	50.574	ug/l	99
61) 1,2-Dibromoethane	11.81	107	309578	48.986	ug/l	96
64) Tetrachloroethene	11.26	164	528450	68.998	ug/l	96
65) Chlorobenzene	12.40	112	900387	48.692	ug/l	98
66) 1,1,1,2-Tetrachloroethane	12.51	131	431433	52.967	ug/l	99
67) Ethyl Benzene	12.53	91	1543673	49.141	ug/l	98
68) m/p-Xylenes	12.67	106	1085098	94.192	ug/l	96
69) o-Xylene	13.05	106	540626	51.104	ug/l	92
70) Styrene	13.07	104	875089	46.644	ug/l	99
71) Bromoform	13.24	173	296163	49.999	ug/l	98
73) Isopropylbenzene	13.41	105	1684370	65.622	ug/l	99
74) N-amyl acetate	13.27	43	170543	25.133	ug/l #	94
75) 1,1,2,2-Tetrachloroethane	13.70	83	277719	63.696	ug/l	90
76) 1,2,3-Trichloropropane	13.73	75	270720	55.112	ug/l	95
77) Bromobenzene	13.67	156	427168	58.420	ug/l	91
78) n-propylbenzene	13.77	91	1736458	56.848	ug/l	96
79) 2-Chlorotoluene	13.84	91	1061919	59.999	ug/l	95
80) 1,3,5-Trimethylbenzene	13.94	105	1295724	58.528	ug/l	97
81) trans-1,4-Dichloro-2-buten	13.48	75	64952	47.618	ug/l	98
82) 4-Chlorotoluene	13.95	91	1128768	54.191	ug/l	96
83) tert-Butylbenzene	14.20	119	1299083	51.392	ug/l	95
84) 1,2,4-Trimethylbenzene	14.24	105	1056844	46.153	ug/l	96
85) sec-Butylbenzene	14.37	105	1480080	55.574	ug/l	97
86) p-Isopropyltoluene	14.49	119	1265466	49.784	ug/l	97
87) 1,3-Dichlorobenzene	14.46	146	677055	52.286	ug/l	96
88) 1,4-Dichlorobenzene	14.54	146	610396	46.616	ug/l	96
89) n-Butylbenzene	14.80	91	997683	45.444	ug/l	95
90) Hexachloroethane	15.01	117	372668	56.272	ug/l	87
91) 1,2-Dichlorobenzene	14.82	146	553279	49.040	ug/l	96
92) 1,2-Dibromo-3-Chloropropan	15.39	75	46490	52.347	ug/l	62

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.95	180	291504	32.569	ug/l	99
94) Hexachlorobutadiene	16.04	225	231534	35.697	ug/l	96
95) Naphthalene	16.13	128	475236	37.567	ug/l	100
96) 1,2,3-Trichlorobenzene	16.27	180	259313	36.675	ug/l	99

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

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