

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD081419\
 Data File : VD063597.D
 Acq On : 15 Aug 2019 3:32
 Operator : JC/SY
 Sample : VD0814SBS02
 Misc : 5.00µl/5ml/MSVOA D/SOIL
 ALS Vial : 41 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0814SBS02

Quant Time: Aug 15 12:05:52 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	903765	50.00	ug/l	-0.02
34) 1,4-Difluorobenzene	8.21	114	1248869	50.00	ug/l	-0.02
63) Chlorobenzene-d5	12.37	117	1116293	50.00	ug/l	-0.01
72) 1,4-Dichlorobenzene-d4	14.51	152	602029	50.00	ug/l	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.44	65	566040	58.59	ug/l	-0.02
Spiked Amount			Recovery	=	117.18%	
35) Dibromofluoromethane	6.91	113	610549	58.05	ug/l	-0.02
Spiked Amount			Recovery	=	116.10%	
50) Toluene-d8	10.41	98	1294422	55.98	ug/l	-0.01
Spiked Amount			Recovery	=	111.96%	
62) 4-Bromofluorobenzene	13.55	95	583805	55.70	ug/l	-0.01
Spiked Amount			Recovery	=	111.40%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.57	85	215040	19.667	ug/l	95
3) Chloromethane	1.74	50	182196	21.327	ug/l	94
4) Vinyl Chloride	1.84	62	172890	20.387	ug/l	97
5) Bromomethane	2.14	94	91325	22.822	ug/l	86
6) Chloroethane	2.26	64	86039	22.186	ug/l	92
7) Trichlorofluoromethane	2.52	101	326098	19.604	ug/l	97
8) Diethyl Ether	2.87	74	53338	22.710	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.14	101	186923	19.030	ug/l	98
10) Methyl Iodide	3.29	142	277238	19.948	ug/l	97
11) Tert butyl alcohol	4.09	59	53637	127.542	ug/l #	89
12) 1,1-Dichloroethene	3.12	96	138181	18.922	ug/l	92
13) Acrolein	3.02	56	37344	90.214	ug/l	84
14) Allyl chloride	3.61	41	217049	19.771	ug/l	97
15) Acrylonitrile	4.20	53	127500	114.461	ug/l	94
16) Acetone	3.22	43	186016	94.722	ug/l	100
17) Carbon Disulfide	3.36	76	444215	19.274	ug/l	96
18) Methyl Acetate	3.63	43	100837	27.109	ug/l	94
19) Methyl tert-butyl Ether	4.24	73	367635	25.172	ug/l	100
20) Methylene Chloride	3.80	84	187183	22.043	ug/l	94
21) trans-1,2-Dichloroethene	4.21	96	171104	22.265	ug/l	97
22) Diisopropyl ether	5.12	45	507134	22.386	ug/l	99
23) Vinyl Acetate	5.05	43	1446466	109.831	ug/l	99
24) 1,1-Dichloroethane	4.97	63	303255	21.583	ug/l	99
25) 2-Butanone	6.07	43	227174	117.129	ug/l #	90
26) 2,2-Dichloropropane	6.02	77	272159	19.447	ug/l	99
27) cis-1,2-Dichloroethene	6.03	96	190882	22.703	ug/l	98
28) Bromochloromethane	6.43	49	127258	22.347	ug/l	95
29) Tetrahydrofuran	6.45	42	105205	116.407	ug/l	98
30) Chloroform	6.66	83	395824	22.664	ug/l	98
31) Cyclohexane	6.95	56	152541	17.488	ug/l	98
32) 1,1,1-Trichloroethane	6.86	97	358601	21.465	ug/l	99
36) 1,1-Dichloropropene	7.14	75	232743	21.081	ug/l	95
37) Ethyl Acetate	6.18	43	112714	24.364	ug/l	96
38) Carbon Tetrachloride	7.10	117	331517	19.924	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.85	83	186320	19.847	ug/l	97
40) Benzene	7.44	78	563531	23.195	ug/l	98
41) Methacrylonitrile	6.45	41	141796	24.343	ug/l #	91
42) 1,2-Dichloroethane	7.57	62	290719	23.797	ug/l	99
43) Isopropyl Acetate	9.24	43	143975	23.237	ug/l #	98
44) Trichloroethene	8.54	130	194926	20.991	ug/l	99
45) 1,2-Dichloropropane	8.93	63	140349	24.806	ug/l	90
46) Dibromomethane	9.06	93	120000	24.836	ug/l	94
47) Bromodichloromethane	9.36	83	300554	24.250	ug/l	98
48) Methyl methacrylate	9.12	41	109008	25.942	ug/l	96
49) 1,4-Dioxane	9.07	88	16935	464.897	ug/l #	82
51) 4-Methyl-2-Pentanone	10.30	43	537117	126.686	ug/l	98
52) Toluene	10.50	92	332866	21.271	ug/l	97
53) t-1,3-Dichloropropene	10.91	75	240305	23.758	ug/l	95
54) cis-1,3-Dichloropropene	10.03	75	271178	23.777	ug/l	96
55) 1,1,2-Trichloroethane	11.19	97	132276	25.023	ug/l	92
56) Ethyl methacrylate	11.04	69	143358	24.986	ug/l	94
57) 1,3-Dichloropropane	11.40	76	190148	23.797	ug/l	93
58) 2-Chloroethyl Vinyl ether	9.85	63	341574	112.767	ug/l	98
59) 2-Hexanone	11.52	43	382850	124.102	ug/l	96
60) Dibromochloromethane	11.68	129	231036	24.019	ug/l	99
61) 1,2-Dibromoethane	11.80	107	154902	24.206	ug/l	96
64) Tetrachloroethene	11.25	164	181069	21.012	ug/l	97
65) Chlorobenzene	12.40	112	433503	20.720	ug/l	96
66) 1,1,1,2-Tetrachloroethane	12.50	131	210703	22.883	ug/l	89
67) Ethyl Benzene	12.51	91	775611	21.321	ug/l	94
68) m/p-Xylenes	12.66	106	552552	43.233	ug/l	90
69) o-Xylene	13.05	106	261385	21.249	ug/l	95
70) Styrene	13.07	104	460357	21.039	ug/l	96
71) Bromoform	13.23	173	140212	22.208	ug/l	89
73) Isopropylbenzene	13.40	105	771885	20.158	ug/l	98
74) N-amyl acetate	13.26	43	218132	22.692	ug/l	97
75) 1,1,2,2-Tetrachloroethane	13.70	83	137358	21.611	ug/l	92
76) 1,2,3-Trichloropropane	13.73	75	154775	22.401	ug/l	99
77) Bromobenzene	13.67	156	220860	21.104	ug/l	96
78) n-propylbenzene	13.77	91	878455	19.607	ug/l	98
79) 2-Chlorotoluene	13.83	91	534113	20.676	ug/l	100
80) 1,3,5-Trimethylbenzene	13.93	105	717918	21.458	ug/l	96
81) trans-1,4-Dichloro-2-buten	13.47	75	38385	20.670	ug/l	93
82) 4-Chlorotoluene	13.94	91	678350	21.837	ug/l	99
83) tert-Butylbenzene	14.19	119	720972	20.464	ug/l	98
84) 1,2,4-Trimethylbenzene	14.24	105	624265	20.166	ug/l	97
85) sec-Butylbenzene	14.36	105	752428	20.110	ug/l	98
86) p-Isopropyltoluene	14.48	119	717747	20.063	ug/l	99
87) 1,3-Dichlorobenzene	14.45	146	394407	20.835	ug/l	98
88) 1,4-Dichlorobenzene	14.53	146	410567	22.606	ug/l	97
89) n-Butylbenzene	14.80	91	664256	20.344	ug/l	97
90) Hexachloroethane	15.00	117	189924	21.122	ug/l	97
91) 1,2-Dichlorobenzene	14.81	146	364221	22.678	ug/l	95
92) 1,2-Dibromo-3-Chloropropan	15.38	75	25080	20.957	ug/l	92

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93) 1,2,4-Trichlorobenzene	15.94	180	248727	21.047	ug/l	96
94) Hexachlorobutadiene	16.04	225	168542	18.713	ug/l	96
95) Naphthalene	16.12	128	386685	21.590	ug/l	97
96) 1,2,3-Trichlorobenzene	16.26	180	219919	23.040	ug/l	98

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

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