

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD030819\
 Data File : VD060978.D
 Acq On : 8 Mar 2019 12:34
 Operator : VA/AP
 Sample : K1560-01LOD2.5PPB
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 LOD-MDL-SOIL-01-QT1-2019

Manual Integrations
 APPROVED

MMDadoda
 3/11/2019 12:20:32 PM

Quant Time: Mar 09 01:06:33 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D030719S.M
 Quant Title : SW846 8260
 QLast Update : Fri Mar 08 02:35:39 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.04	168	691869	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.21	114	1276616	50.00	ug/l	0.00
63) Chlorobenzene-d5	12.35	117	1059163	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.51	152	482263	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	7.44	65	328954	57.12	ug/l	0.00
Spiked Amount	50.000		Recovery	=	114.24%	
35) Dibromofluoromethane	6.92	113	541785	57.19	ug/l	0.00
Spiked Amount	50.000		Recovery	=	114.38%	
50) Toluene-d8	10.40	98	1260723	52.99	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.98%	
62) 4-Bromofluorobenzene	13.54	95	500631	54.23	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.46%	

Target Compounds

					Qvalue	
2) Dichlorodifluoromethane	1.59	85	19409	2.832	ug/l	95
3) Chloromethane	1.76	50	17126	3.000	ug/l	92
4) Vinyl Chloride	1.86	62	12916	2.448	ug/l	99
5) Bromomethane	2.17	94	5594	4.453	ug/l #	71
6) Chloroethane	2.28	64	4063	2.573	ug/l #	76
7) Trichlorofluoromethane	2.55	101	20473	2.702	ug/l	94
8) Diethyl Ether	2.88	74	6344	2.538	ug/l	84
9) 1,1,2-Trichlorotrifluoroet	3.17	101	23116	2.728	ug/l	90
10) Methyl Iodide	3.32	142	21865	4.698	ug/l	99
11) Tert butyl alcohol	4.01	59	9943m	27.120	ug/l	
12) 1,1-Dichloroethene	3.14	96	18406	2.650	ug/l	91
13) Acrolein	3.04	56	7437	14.019	ug/l #	74
14) Allyl chloride	3.63	41	29146	2.623	ug/l	96
15) Acrylonitrile	4.19	53	18590	14.346	ug/l	92
16) Acetone	3.22	43	24263	14.733	ug/l	98
17) Carbon Disulfide	3.39	76	65326	2.788	ug/l	98
18) Methyl Acetate	3.64	43	9802	3.024	ug/l	93
19) Methyl tert-butyl Ether	4.23	73	33231	2.730	ug/l	98
20) Methylene Chloride	3.82	84	43681	1.272	ug/l	92
21) trans-1,2-Dichloroethene	4.22	96	20936	2.785	ug/l	84
22) Diisopropyl ether	5.11	45	63050	2.733	ug/l	91
23) Vinyl Acetate	5.06	43	154902	13.081	ug/l	97
24) 1,1-Dichloroethane	4.98	63	35161	2.782	ug/l	98
25) 2-Butanone	6.06	43	26025	13.927	ug/l	95
26) 2,2-Dichloropropane	6.01	77	27042	2.741	ug/l	97
27) cis-1,2-Dichloroethene	6.03	96	21418	2.685	ug/l	90
28) Bromochloromethane	6.44	49	13970	2.611	ug/l	93
29) Tetrahydrofuran	6.45	42	12984	12.796	ug/l	91
30) Chloroform	6.66	83	34234	2.614	ug/l	90
31) Cyclohexane	6.95	56	29080	2.854	ug/l	96
32) 1,1,1-Trichloroethane	6.86	97	30294	2.675	ug/l	94
36) 1,1-Dichloropropene	7.14	75	28191	2.562	ug/l	95
37) Ethyl Acetate	6.17	43	14470	2.802	ug/l #	83
38) Carbon Tetrachloride	7.11	117	31127	2.568	ug/l #	86

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.86	83	28252	2.476	ug/l	90
40) Benzene	7.44	78	64856	2.359	ug/l	97
41) Methacrylonitrile	6.45	41	14000	2.357	ug/l #	88
42) 1,2-Dichloroethane	7.57	62	19944	2.499	ug/l	99
43) Isopropyl Acetate	9.23	43	16587	2.319	ug/l #	95
44) Trichloroethene	8.52	130	22966	2.421	ug/l	93
45) 1,2-Dichloropropane	8.93	63	16310	2.258	ug/l	96
46) Dibromomethane	9.06	93	10001	2.182	ug/l	92
47) Bromodichloromethane	9.37	83	26325	2.546	ug/l	98
48) Methyl methacrylate	9.10	41	9398	2.334	ug/l #	84
49) 1,4-Dioxane	9.07	88	1308	32.122	ug/l #	82
51) 4-Methyl-2-Pentanone	10.29	43	49716	11.346	ug/l	96
52) Toluene	10.49	92	42646	2.494	ug/l	93
53) t-1,3-Dichloropropene	10.91	75	21467	2.270	ug/l	95
54) cis-1,3-Dichloropropene	10.03	75	27455	2.417	ug/l	97
55) 1,1,2-Trichloroethane	11.17	97	14203	2.494	ug/l	96
56) Ethyl methacrylate	11.03	69	14434	2.422	ug/l	92
57) 1,3-Dichloropropane	11.40	76	21012	2.469	ug/l	97
58) 2-Chloroethyl Vinyl ether	9.84	63	38156	12.094	ug/l	99
59) 2-Hexanone	11.52	43	40707	12.701	ug/l	97
60) Dibromochloromethane	11.67	129	19867	2.371	ug/l	95
61) 1,2-Dibromoethane	11.79	107	16007	2.417	ug/l	95
64) Tetrachloroethene	11.24	164	20381	2.851	ug/l	96
65) Chlorobenzene	12.38	112	53388	2.571	ug/l	99
66) 1,1,1,2-Tetrachloroethane	12.50	131	19295	2.607	ug/l	96
67) Ethyl Benzene	12.51	91	86812	2.808	ug/l	99
68) m/p-Xylenes	12.66	106	67624	5.574	ug/l	99
69) o-Xylene	13.04	106	30274	2.538	ug/l	96
70) Styrene	13.06	104	49737	2.554	ug/l	97
71) Bromoform	13.23	173	10602	2.220	ug/l	98
73) Isopropylbenzene	13.40	105	88092	2.535	ug/l	97
74) N-amyl acetate	13.26	43	24506	2.504	ug/l	97
75) 1,1,2,2-Tetrachloroethane	13.69	83	14842	2.189	ug/l	88
76) 1,2,3-Trichloropropane	13.72	75	17796	2.565	ug/l	91
77) Bromobenzene	13.66	156	22115	2.493	ug/l	97
78) n-propylbenzene	13.76	91	119152	2.928	ug/l	96
79) 2-Chlorotoluene	13.83	91	59890	2.674	ug/l	93
80) 1,3,5-Trimethylbenzene	14.23	105	73262	2.777	ug/l	99
81) trans-1,4-Dichloro-2-buten	13.47	75	4747m	2.321	ug/l	
82) 4-Chlorotoluene	13.94	91	68501	2.587	ug/l	97
83) tert-Butylbenzene	14.18	119	75619	2.619	ug/l	97
84) 1,2,4-Trimethylbenzene	14.23	105	73262	2.777	ug/l	99
85) sec-Butylbenzene	14.36	105	89407	2.536	ug/l	98
86) p-Isopropyltoluene	14.48	119	81547	2.830	ug/l	99
87) 1,3-Dichlorobenzene	14.45	146	42654	2.692	ug/l	98
88) 1,4-Dichlorobenzene	14.53	146	40787	2.620	ug/l	96
89) n-Butylbenzene	14.79	91	71389	2.580	ug/l	97
90) Hexachloroethane	15.00	117	18498	2.273	ug/l	82
91) 1,2-Dichlorobenzene	14.80	146	34370	2.602	ug/l	93
92) 1,2-Dibromo-3-Chloropropan	15.38	75	1698	2.078	ug/l	88

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.94	180	14338	2.340	ug/l	95
94) Hexachlorobutadiene	16.04	225	9206	1.987	ug/l	91
95) Naphthalene	16.11	128	20177	2.167	ug/l	98
96) 1,2,3-Trichlorobenzene	16.26	180	6527	2.157	ug/l	95

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

