

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD030520\
 Data File : VD065428.D
 Acq On : 05 Mar 2020 13:46
 Operator : VA/SY
 Sample : L1161-03 4PPBMDL
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 MDL-SOIL-03-QT1-2020DL

Manual Integrations
 APPROVED

MMDadoda
 3/6/2020 11:17:31 AM

Quant Time: Mar 06 04:24:55 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D030420S.M
 Quant Title : SW846 8260
 QLast Update : Fri Mar 06 04:16:29 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.99	168	454950	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	699258	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	624557	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	305519	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.34	65	209461	53.67	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.34%	
35) Dibromofluoromethane	7.92	113	217616	50.32	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.64%	
50) Toluene-d8	10.34	98	834371	50.30	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.60%	
62) 4-Bromofluorobenzene	12.64	95	258186	50.41	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.82%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	17322	4.430	ug/l	94
3) Chloromethane	2.21	50	21334	4.519	ug/l	98
4) Vinyl Chloride	2.35	62	20860	4.480	ug/l	96
5) Bromomethane	2.77	94	15864	5.329	ug/l	94
6) Chloroethane	2.93	64	12784	4.483	ug/l	89
7) Trichlorofluoromethane	3.27	101	32339	4.714	ug/l	96
8) Diethyl Ether	3.71	74	9305	4.561	ug/l	92
9) 1,1,2-Trichlorotrifluoroet	4.09	101	20797	4.707	ug/l	95
10) Methyl Iodide	4.30	142	16962	3.695	ug/l	98
11) Tert butyl alcohol	5.24	59	4249	18.982	ug/l #	76
12) 1,1-Dichloroethene	4.06	96	19104	4.515	ug/l	82
13) Acrolein	3.93	56	8188	21.209	ug/l	93
14) Allyl chloride	4.71	41	28205	4.339	ug/l	99
15) Acrylonitrile	5.43	53	18122	20.417	ug/l	96
16) Acetone	4.16	43	17725	22.458	ug/l	99
17) Carbon Disulfide	4.40	76	62808	4.458	ug/l	100
18) Methyl Acetate	4.73	43	9596	4.793	ug/l	97
19) Methyl tert-butyl Ether	5.49	73	32261	3.965	ug/l #	90
20) Methylene Chloride	4.97	84	32755	6.709	ug/l	95
21) trans-1,2-Dichloroethene	5.47	96	21351	4.536	ug/l	90
22) Diisopropyl ether	6.37	45	47401	3.923	ug/l #	94
23) Vinyl Acetate	6.31	43	120344	17.938	ug/l	100
24) 1,1-Dichloroethane	6.26	63	34638	4.469	ug/l	99
25) 2-Butanone	7.23	43	20157	18.715	ug/l	99
26) 2,2-Dichloropropane	7.21	77	29786	4.398	ug/l	98
27) cis-1,2-Dichloroethene	7.21	96	20225	4.204	ug/l	96
28) Bromochloromethane	7.55	49	14152	4.564	ug/l	98
29) Tetrahydrofuran	7.57	42	13252	19.267	ug/l	98
30) Chloroform	7.71	83	36418	4.701	ug/l	90
31) Cyclohexane	7.99	56	37365	4.822	ug/l #	80
32) 1,1,1-Trichloroethane	7.91	97	33241	4.644	ug/l	99
36) 1,1-Dichloropropene	8.11	75	28464	4.247	ug/l	100
37) Ethyl Acetate	7.30	43	11391	4.397	ug/l #	78
38) Carbon Tetrachloride	8.10	117	30260	4.354	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	30772	3.801	ug/l	96
40) Benzene	8.36	78	81090	4.327	ug/l	99
41) Methacrylonitrile	7.53	41	4118	3.006	ug/l #	68
42) 1,2-Dichloroethane	8.43	62	21625	4.419	ug/l	99
43) Isopropyl Acetate	8.46	43	19419	4.059	ug/l	100
44) Trichloroethene	9.11	130	22285	4.211	ug/l	97
45) 1,2-Dichloropropane	9.39	63	19808	4.363	ug/l	94
46) Dibromomethane	9.48	93	10541	4.477	ug/l	97
47) Bromodichloromethane	9.66	83	26431	4.315	ug/l	91
48) Methyl methacrylate	9.46	41	8126	3.611	ug/l	96
49) 1,4-Dioxane	9.46	88	2336	86.728	ug/l #	84
51) 4-Methyl-2-Pentanone	10.24	43	42339	17.588	ug/l	94
52) Toluene	10.41	92	51276	4.343	ug/l	98
53) t-1,3-Dichloropropene	10.63	75	24186	4.225	ug/l	93
54) cis-1,3-Dichloropropene	10.09	75	27081	3.908	ug/l	96
55) 1,1,2-Trichloroethane	10.80	97	14268	4.278	ug/l	92
56) Ethyl methacrylate	10.67	69	12570	3.343	ug/l	91
57) 1,3-Dichloropropane	10.95	76	23986	4.251	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.95	63	19114	15.764	ug/l	98
59) 2-Hexanone	10.99	43	29897	17.941	ug/l	93
60) Dibromochloromethane	11.14	129	18771	4.391	ug/l	99
61) 1,2-Dibromoethane	11.25	107	13213	4.153	ug/l	99
64) Tetrachloroethene	10.88	164	19963	4.461	ug/l	95
65) Chlorobenzene	11.67	112	53922	4.363	ug/l	92
66) 1,1,1,2-Tetrachloroethane	11.74	131	19761	4.390	ug/l	96
67) Ethyl Benzene	11.75	91	82459	3.861	ug/l	97
68) m/p-Xylenes	11.86	106	61935	7.521	ug/l	97
69) o-Xylene	12.18	106	27143	3.747	ug/l	97
70) Styrene	12.20	104	44496	3.490	ug/l	98
71) Bromoform	12.37	173	10833	4.285	ug/l #	100
73) Isopropylbenzene	12.48	105	72429	3.604	ug/l	98
74) N-amyl acetate	12.30	43	14644	3.560	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.74	83	15066	4.265	ug/l	98
76) 1,2,3-Trichloropropane	12.79	75	9133m	3.788	ug/l	
77) Bromobenzene	12.77	156	20735	4.153	ug/l	94
78) n-propylbenzene	12.83	91	95550	4.007	ug/l	96
79) 2-Chlorotoluene	12.91	91	54887	4.085	ug/l	97
80) 1,3,5-Trimethylbenzene	12.97	105	60922	3.688	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.53	75	3855	3.374	ug/l	93
82) 4-Chlorotoluene	13.01	91	56381	3.993	ug/l	99
83) tert-Butylbenzene	13.23	119	50107	3.585	ug/l	99
84) 1,2,4-Trimethylbenzene	13.27	105	57631	3.539	ug/l	99
85) sec-Butylbenzene	13.41	105	73164	3.667	ug/l	98
86) p-Isopropyltoluene	13.53	119	63644	3.496	ug/l	98
87) 1,3-Dichlorobenzene	13.53	146	40374	4.206	ug/l	99
88) 1,4-Dichlorobenzene	13.60	146	42192	4.419	ug/l	94
89) n-Butylbenzene	13.86	91	62531	3.715	ug/l	96
90) Hexachloroethane	14.11	117	15919	4.246	ug/l	97
91) 1,2-Dichlorobenzene	13.90	146	34854	4.267	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	14.51	75	2020	3.755	ug/l	94

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	21598	3.901	ug/l	97
94) Hexachlorobutadiene	15.28	225	15236	4.188	ug/l	96
95) Naphthalene	15.41	128	28445	3.213	ug/l #	96
96) 1,2,3-Trichlorobenzene	15.61	180	18314	3.828	ug/l	96

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

