

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY030420\
 Data File : VY001852.D
 Acq On : 04 Mar 2020 14:45
 Operator : SY/MD
 Sample : L1161-01 2.5PPBLOD
 Misc : 5.00G/5ML/MSVOA Y/SOIL
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 LOD-MDL-SOIL-01-QT1-2020

Manual Integrations
 APPROVED

MMDadoda
 3/5/2020 1:37:23 PM

Quant Time: Mar 05 05:51:15 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y030420S.M
 Quant Title : SW846 8260
 QLast Update : Thu Mar 05 04:05:33 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.81	168	181622	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.71	114	324975	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.50	117	287675	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.43	152	133154	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.16	65	99890	51.52	ug/l	-0.01
Spiked Amount	50.000		Recovery	=	103.04%	
35) Dibromofluoromethane	7.74	113	91445	51.53	ug/l	-0.01
Spiked Amount	50.000		Recovery	=	103.06%	
50) Toluene-d8	10.19	98	382047	51.06	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.12%	
62) 4-Bromofluorobenzene	12.49	95	131182	50.42	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.84%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.91	85	4987	2.975	ug/l	92
3) Chloromethane	2.12	50	6653	2.943	ug/l	93
4) Vinyl Chloride	2.26	62	6515	2.834	ug/l	99
5) Bromomethane	2.66	94	4660	3.055	ug/l	94
6) Chloroethane	2.80	64	3749	2.596	ug/l	97
7) Trichlorofluoromethane	3.14	101	8496	2.725	ug/l	96
8) Diethyl Ether	3.54	74	3230	2.628	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	3.91	101	5399	2.692	ug/l	97
10) Methyl Iodide	4.11	142	4943	2.131	ug/l	100
11) Tert butyl alcohol	4.97	59	2839m	11.995	ug/l	
12) 1,1-Dichloroethene	3.89	96	5554	2.750	ug/l	96
13) Acrolein	3.75	56	3659	13.429	ug/l	96
14) Allyl chloride	4.50	41	9257	2.586	ug/l	99
15) Acrylonitrile	5.19	53	9382	14.287	ug/l	97
16) Acetone	3.97	43	8374	14.828	ug/l	97
17) Carbon Disulfide	4.21	76	17493	2.577	ug/l	97
18) Methyl Acetate	4.50	43	4500	3.101	ug/l	97
19) Methyl tert-butyl Ether	5.24	73	14470	2.644	ug/l #	83
20) Methylene Chloride	4.73	84	9748	4.028	ug/l	92
21) trans-1,2-Dichloroethene	5.24	96	5912	2.579	ug/l	90
22) Diisopropyl ether	6.14	45	19121	2.606	ug/l	94
23) Vinyl Acetate	6.08	43	60778	12.634	ug/l	98
24) 1,1-Dichloroethane	6.04	63	10136	2.551	ug/l	99
25) 2-Butanone	7.01	43	11172	13.009	ug/l	96
26) 2,2-Dichloropropane	7.00	77	8391	2.573	ug/l	98
27) cis-1,2-Dichloroethene	7.00	96	6685	2.681	ug/l	96
28) Bromochloromethane	7.35	49	4869	2.718	ug/l	93
29) Tetrahydrofuran	7.37	42	7464	13.088	ug/l	94
30) Chloroform	7.53	83	10182	2.727	ug/l	93
31) Cyclohexane	7.80	56	14647	3.438	ug/l #	70
32) 1,1,1-Trichloroethane	7.72	97	8370	2.660	ug/l	98
36) 1,1-Dichloropropene	7.94	75	8093	2.588	ug/l	99
37) Ethyl Acetate	7.09	43	4353	2.395	ug/l #	95
38) Carbon Tetrachloride	7.92	117	6685	2.502	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.20	83	11152	2.689	ug/l	93
40) Benzene	8.18	78	24415	2.634	ug/l	96
41) Methacrylonitrile	7.34	41	2855m	3.490	ug/l	
42) 1,2-Dichloroethane	8.25	62	6819	2.855	ug/l	99
43) Isopropyl Acetate	8.29	43	9181	2.668	ug/l #	90
44) Trichloroethene	8.96	130	5888	2.608	ug/l	93
45) 1,2-Dichloropropane	9.23	63	6049	2.596	ug/l	91
46) Dibromomethane	9.32	93	3301	2.749	ug/l	94
47) Bromodichloromethane	9.51	83	7067	2.530	ug/l #	99
48) Methyl methacrylate	9.30	41	3970	2.600	ug/l	96
49) 1,4-Dioxane	9.31	88	912	55.429	ug/l #	86
51) 4-Methyl-2-Pentanone	10.08	43	23496	13.256	ug/l	98
52) Toluene	10.25	92	14599	2.593	ug/l	96
53) t-1,3-Dichloropropene	10.47	75	7635	2.509	ug/l	91
54) cis-1,3-Dichloropropene	9.94	75	9333	2.576	ug/l	99
55) 1,1,2-Trichloroethane	10.66	97	4623	2.631	ug/l	90
56) Ethyl methacrylate	10.52	69	6460	2.508	ug/l	90
57) 1,3-Dichloropropane	10.80	76	8137	2.598	ug/l	96
58) 2-Chloroethyl Vinyl ether	9.80	63	12883	12.614	ug/l	98
59) 2-Hexanone	10.84	43	16268	12.859	ug/l	99
60) Dibromochloromethane	10.99	129	4406	2.379	ug/l	100
61) 1,2-Dibromoethane	11.10	107	4395	2.640	ug/l	100
64) Tetrachloroethene	10.73	164	4865	2.697	ug/l	94
65) Chlorobenzene	11.52	112	15501	2.704	ug/l	96
66) 1,1,1,2-Tetrachloroethane	11.60	131	4857	2.584	ug/l	98
67) Ethyl Benzene	11.60	91	29187	2.730	ug/l	97
68) m/p-Xylenes	11.71	106	21175	5.358	ug/l	100
69) o-Xylene	12.04	106	9761	2.620	ug/l	98
70) Styrene	12.05	104	16667	2.612	ug/l	98
71) Bromoform	12.22	173	2353	2.308	ug/l #	95
73) Isopropylbenzene	12.34	105	25932	2.551	ug/l	96
74) N-amyl acetate	12.15	43	8098	2.592	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.59	83	5696	2.599	ug/l	99
76) 1,2,3-Trichloropropane	12.64	75	4341m	2.748	ug/l	
77) Bromobenzene	12.61	156	5913	2.746	ug/l	99
78) n-propylbenzene	12.68	91	34126	2.721	ug/l	100
79) 2-Chlorotoluene	12.77	91	19117	2.759	ug/l	99
80) 1,3,5-Trimethylbenzene	12.82	105	22404	2.677	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.38	75	1962m	2.508	ug/l	
82) 4-Chlorotoluene	12.86	91	20315	2.816	ug/l	100
83) tert-Butylbenzene	13.08	119	18912	2.721	ug/l	97
84) 1,2,4-Trimethylbenzene	13.13	105	21648	2.607	ug/l	96
85) sec-Butylbenzene	13.26	105	29137	2.844	ug/l	99
86) p-Isopropyltoluene	13.38	119	24654	2.790	ug/l	99
87) 1,3-Dichlorobenzene	13.37	146	12035	2.852	ug/l	97
88) 1,4-Dichlorobenzene	13.45	146	12637	2.952	ug/l	88
89) n-Butylbenzene	13.70	91	25827	2.817	ug/l	99
90) Hexachloroethane	13.97	117	4398	2.638	ug/l	98
91) 1,2-Dichlorobenzene	13.75	146	10977	2.863	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.36	75	896	2.620	ug/l	93

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.02	180	7868	3.164	ug/l	99
94) Hexachlorobutadiene	15.12	225	3784	3.122	ug/l	98
95) Naphthalene	15.25	128	17988	3.050	ug/l	98
96) 1,2,3-Trichlorobenzene	15.43	180	6931	3.164	ug/l	96

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

