

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY030420\
 Data File : VY001853.D
 Acq On : 04 Mar 2020 15:06
 Operator : SY/MD
 Sample : L1161-01 4PPBLOD
 Misc : 5.00G/5ML/MSVOA Y/SOIL
 ALS Vial : 14 Sample Multiplier: 1

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

Manual Integrations
 APPROVED

MMDadoda
 3/5/2020 1:37:25 PM

Quant Time: Mar 05 05:52:41 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y030420S.M
 Quant Title : SW846 8260
 QLast Update : Thu Mar 05 05:44:43 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.81	168	177708	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.71	114	321057	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.50	117	285219	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.43	152	130994	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.16	65	96899	51.08	ug/l	-0.01
Spiked Amount	50.000		Recovery	=	102.16%	
35) Dibromofluoromethane	7.74	113	88993	50.76	ug/l	-0.01
Spiked Amount	50.000		Recovery	=	101.52%	
50) Toluene-d8	10.19	98	375160	50.75	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.50%	
62) 4-Bromofluorobenzene	12.49	95	129609	50.42	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.84%	

Target Compounds

					Qvalue	
2) Dichlorodifluoromethane	1.91	85	7299	4.450	ug/l	96
3) Chloromethane	2.12	50	9838	4.448	ug/l #	88
4) Vinyl Chloride	2.26	62	9694	4.309	ug/l	100
5) Bromomethane	2.66	94	7612	5.100	ug/l	97
6) Chloroethane	2.80	64	5838	4.131	ug/l	90
7) Trichlorofluoromethane	3.14	101	13259	4.346	ug/l	99
8) Diethyl Ether	3.55	74	5138	4.273	ug/l	92
9) 1,1,2-Trichlorotrifluoroet	3.91	101	8450	4.306	ug/l	97
10) Methyl Iodide	4.10	142	8016	3.532	ug/l	99
11) Tert butyl alcohol	4.97	59	4233	18.278	ug/l #	85
12) 1,1-Dichloroethene	3.88	96	8349	4.226	ug/l	93
13) Acrolein	3.75	56	5634	21.133	ug/l	90
14) Allyl chloride	4.49	41	15218	4.345	ug/l	98
15) Acrylonitrile	5.19	53	13484	20.986	ug/l	98
16) Acetone	3.97	43	11073	20.039	ug/l	91
17) Carbon Disulfide	4.21	76	27887	4.199	ug/l	99
18) Methyl Acetate	4.50	43	6341	4.466	ug/l	94
19) Methyl tert-butyl Ether	5.25	73	22523	4.207	ug/l	92
20) Methylene Chloride	4.74	84	12914	5.453	ug/l	92
21) trans-1,2-Dichloroethene	5.24	96	9562	4.264	ug/l	92
22) Diisopropyl ether	6.14	45	30735	4.281	ug/l	98
23) Vinyl Acetate	6.08	43	97052	20.619	ug/l	98
24) 1,1-Dichloroethane	6.04	63	16525	4.250	ug/l #	95
25) 2-Butanone	7.00	43	17233	20.508	ug/l	95
26) 2,2-Dichloropropane	7.00	77	13271	4.159	ug/l	95
27) cis-1,2-Dichloroethene	7.01	96	10211	4.186	ug/l	99
28) Bromochloromethane	7.35	49	7772	4.435	ug/l	99
29) Tetrahydrofuran	7.37	42	11758	21.071	ug/l	100
30) Chloroform	7.52	83	15471	4.235	ug/l	92
31) Cyclohexane	7.80	56	21045	5.048	ug/l #	82
32) 1,1,1-Trichloroethane	7.72	97	12695	4.123	ug/l	97
36) 1,1-Dichloropropene	7.93	75	13176	4.265	ug/l	96
37) Ethyl Acetate	7.10	43	7655	4.263	ug/l	97
38) Carbon Tetrachloride	7.91	117	11062	4.191	ug/l	93

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY030420\
 Data File : VY001853.D
 Acq On : 04 Mar 2020 15:06
 Operator : SY/MD
 Sample : L1161-01 4PPBLOD
 Misc : 5.00G/5ML/MSVOA Y/SOIL
 ALS Vial : 14 Sample Multiplier: 1

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

Manual Integrations
 APPROVED

MMDadoda
 3/5/2020 1:37:25 PM

Quant Time: Mar 05 05:52:41 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y030420S.M
 Quant Title : SW846 8260
 QLast Update : Thu Mar 05 05:44:43 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.19	83	17334	4.230	ug/l	91
40) Benzene	8.18	78	38521	4.207	ug/l	98
41) Methacrylonitrile	7.33	41	3479m	4.305	ug/l	
42) 1,2-Dichloroethane	8.25	62	10274	4.354	ug/l	98
43) Isopropyl Acetate	8.29	43	13962	4.107	ug/l	99
44) Trichloroethene	8.95	130	9356	4.195	ug/l	98
45) 1,2-Dichloropropane	9.23	63	9768	4.243	ug/l	93
46) Dibromomethane	9.32	93	4869	4.104	ug/l	95
47) Bromodichloromethane	9.51	83	11574	4.194	ug/l #	99
48) Methyl methacrylate	9.30	41	6253	4.145	ug/l	97
49) 1,4-Dioxane	9.31	88	1349	82.990	ug/l	98
51) 4-Methyl-2-Pentanone	10.08	43	35002	19.989	ug/l	100
52) Toluene	10.25	92	23595	4.241	ug/l	100
53) t-1,3-Dichloropropene	10.47	75	12171	4.048	ug/l	96
54) cis-1,3-Dichloropropene	9.94	75	14286	3.992	ug/l	97
55) 1,1,2-Trichloroethane	10.66	97	7392	4.258	ug/l	91
56) Ethyl methacrylate	10.52	69	9861	3.875	ug/l #	93
57) 1,3-Dichloropropane	10.80	76	12855	4.154	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.79	63	18997	18.827	ug/l	99
59) 2-Hexanone	10.84	43	25264	20.214	ug/l	99
60) Dibromochloromethane	10.99	129	7187	3.929	ug/l	100
61) 1,2-Dibromoethane	11.10	107	6620	4.025	ug/l	99
64) Tetrachloroethene	10.73	164	7814	4.369	ug/l	96
65) Chlorobenzene	11.52	112	23956	4.215	ug/l	96
66) 1,1,1,2-Tetrachloroethane	11.60	131	7412	3.977	ug/l	98
67) Ethyl Benzene	11.60	91	44992	4.245	ug/l	98
68) m/p-Xylenes	11.71	106	32878	8.390	ug/l	99
69) o-Xylene	12.03	106	15475	4.190	ug/l	100
70) Styrene	12.05	104	25393	4.014	ug/l	99
71) Bromoform	12.22	173	3898	3.857	ug/l #	97
73) Isopropylbenzene	12.34	105	41514	4.152	ug/l	98
74) N-amyl acetate	12.15	43	12554	4.085	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.59	83	8810	4.085	ug/l	99
76) 1,2,3-Trichloropropane	12.64	75	6470m	4.163	ug/l	
77) Bromobenzene	12.61	156	8882	4.192	ug/l	95
78) n-propylbenzene	12.67	91	52280	4.238	ug/l	99
79) 2-Chlorotoluene	12.76	91	28888	4.238	ug/l	98
80) 1,3,5-Trimethylbenzene	12.82	105	34892	4.238	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.38	75	2841	3.692	ug/l	92
82) 4-Chlorotoluene	12.86	91	30349	4.277	ug/l	98
83) tert-Butylbenzene	13.08	119	29141	4.262	ug/l	100
84) 1,2,4-Trimethylbenzene	13.13	105	34339	4.203	ug/l	99
85) sec-Butylbenzene	13.26	105	43160	4.282	ug/l	100
86) p-Isopropyltoluene	13.38	119	36922	4.247	ug/l	98
87) 1,3-Dichlorobenzene	13.38	146	18535	4.464	ug/l	98
88) 1,4-Dichlorobenzene	13.45	146	18155	4.311	ug/l	91
89) n-Butylbenzene	13.70	91	38471	4.265	ug/l	98
90) Hexachloroethane	13.97	117	6439	3.926	ug/l	100
91) 1,2-Dichlorobenzene	13.74	146	16257	4.310	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.36	75	1471	4.372	ug/l	82

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY030420\
Data File : VY001853.D
Acq On : 04 Mar 2020 15:06
Operator : SY/MD
Sample : L1161-01 4PPBLOD
Misc : 5.00G/5ML/MSVOA Y/SOIL
ALS Vial : 14 Sample Multiplier: 1

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

Manual Integrations
APPROVED

MMDadoda
3/5/2020 1:37:25 PM

Quant Time: Mar 05 05:52:41 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y030420S.M
Quant Title : SW846 8260
QLast Update : Thu Mar 05 05:44:43 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.02	180	11423	4.670	ug/l	100
94) Hexachlorobutadiene	15.12	225	5532	4.639	ug/l	96
95) Naphthalene	15.24	128	24737	4.264	ug/l	99
96) 1,2,3-Trichlorobenzene	15.43	180	9414	4.369	ug/l	97

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

