

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY030320\
 Data File : VY001831.D
 Acq On : 03 Mar 2020 13:52
 Operator : SY/MD
 Sample : L1161-02 5PPBL00
 Misc : 5.00G/5ML/MSVOA Y/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 LOQ-SOIL-02-QT1-2020

Manual Integrations
 APPROVED

MMDadoda
 3/4/2020 2:02:08 PM

Quant Time: Mar 04 04:33:29 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y021720S.M
 Quant Title : SW846 8260
 QLast Update : Wed Mar 04 04:23:36 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.81	168	160233	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.71	114	291876	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.50	117	257064	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.43	152	122459	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.16	65	94447	54.80	ug/l	0.00
Spiked Amount	50.000		Recovery	=	109.60%	
35) Dibromofluoromethane	7.74	113	86082	51.49	ug/l	-0.01
Spiked Amount	50.000		Recovery	=	102.98%	
50) Toluene-d8	10.19	98	353042	53.90	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.80%	
62) 4-Bromofluorobenzene	12.49	95	127624	50.16	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.32%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.91	85	9459	6.056	ug/l	99
3) Chloromethane	2.12	50	12003	5.713	ug/l	99
4) Vinyl Chloride	2.26	62	11615	5.481	ug/l	92
5) Bromomethane	2.66	94	8065	6.090	ug/l	98
6) Chloroethane	2.80	64	7315	5.602	ug/l	94
7) Trichlorofluoromethane	3.14	101	17927	6.610	ug/l	95
8) Diethyl Ether	3.55	74	6170	5.771	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.93	101	10202	5.985	ug/l	96
10) Methyl Iodide	4.11	142	9810	4.702	ug/l	98
11) Tert butyl alcohol	4.96	59	10071m	42.110	ug/l	
12) 1,1-Dichloroethene	3.90	96	10011	5.758	ug/l	95
13) Acrolein	3.75	56	3657	21.009	ug/l	100
14) Allyl chloride	4.50	41	18645	6.026	ug/l	95
15) Acrylonitrile	5.20	53	15926	29.062	ug/l	98
16) Acetone	3.97	43	13715	22.998	ug/l	95
17) Carbon Disulfide	4.22	76	30620	5.275	ug/l	100
18) Methyl Acetate	4.50	43	12413	9.558	ug/l	96
19) Methyl tert-butyl Ether	5.25	73	27368	5.654	ug/l	94
20) Methylene Chloride	4.74	84	22637	10.686	ug/l	99
21) trans-1,2-Dichloroethene	5.25	96	11504	5.800	ug/l	93
22) Diisopropyl ether	6.15	45	36371	5.724	ug/l	94
23) Vinyl Acetate	6.09	43	98694	23.812	ug/l	97
24) 1,1-Dichloroethane	6.05	63	19853	5.846	ug/l	97
25) 2-Butanone	7.01	43	20738	25.598	ug/l	97
26) 2,2-Dichloropropane	7.01	77	16016	5.420	ug/l	98
27) cis-1,2-Dichloroethene	7.01	96	12747	5.822	ug/l	99
28) Bromochloromethane	7.35	49	7317	5.172	ug/l	98
29) Tetrahydrofuran	7.37	42	13635	27.846	ug/l	99
30) Chloroform	7.53	83	19032	5.735	ug/l	96
31) Cyclohexane	7.80	56	23161	6.396	ug/l #	81
32) 1,1,1-Trichloroethane	7.72	97	15757	5.650	ug/l	98
36) 1,1-Dichloropropene	7.94	75	15534	5.572	ug/l	98
37) Ethyl Acetate	7.10	43	9567	5.749	ug/l	98
38) Carbon Tetrachloride	7.91	117	13499	5.512	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.19	83	19995	5.406	ug/l	94
40) Benzene	8.17	78	46507	5.672	ug/l	95
41) Methacrylonitrile	7.33	41	3890m	4.656	ug/l	
42) 1,2-Dichloroethane	8.25	62	13045	5.840	ug/l	98
43) Isopropyl Acetate	8.29	43	17495	5.541	ug/l	100
44) Trichloroethene	8.96	130	11084	5.415	ug/l	92
45) 1,2-Dichloropropane	9.23	63	11985	5.836	ug/l	96
46) Dibromomethane	9.31	93	5621	5.233	ug/l	90
47) Bromodichloromethane	9.50	83	13807	5.326	ug/l	95
48) Methyl methacrylate	9.30	41	7302	5.114	ug/l	97
49) 1,4-Dioxane	9.30	88	1641	108.174	ug/l	98
51) 4-Methyl-2-Pentanone	10.08	43	43590	26.872	ug/l	97
52) Toluene	10.25	92	28834	5.637	ug/l	100
53) t-1,3-Dichloropropene	10.47	75	14785	5.159	ug/l	96
54) cis-1,3-Dichloropropene	9.94	75	17632	5.346	ug/l	98
55) 1,1,2-Trichloroethane	10.66	97	8652	5.463	ug/l	91
56) Ethyl methacrylate	10.52	69	12010	5.055	ug/l	92
57) 1,3-Dichloropropane	10.80	76	15513	5.513	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.80	63	28096	28.318	ug/l	99
59) 2-Hexanone	10.84	43	30226	24.834	ug/l	95
60) Dibromochloromethane	11.00	129	8689	4.976	ug/l	100
61) 1,2-Dibromoethane	11.10	107	8353	5.578	ug/l	100
64) Tetrachloroethene	10.73	164	9985	6.187	ug/l	90
65) Chlorobenzene	11.52	112	28744	5.601	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.60	131	9344	5.397	ug/l	97
67) Ethyl Benzene	11.60	91	53462	5.613	ug/l	97
68) m/p-Xylenes	11.71	106	39814	11.191	ug/l	99
69) o-Xylene	12.03	106	18990	5.614	ug/l	100
70) Styrene	12.05	104	31298	5.324	ug/l	99
71) Bromoform	12.21	173	4817	4.869	ug/l #	99
73) Isopropylbenzene	12.33	105	49855	5.344	ug/l	99
74) N-amyl acetate	12.15	43	15723	5.281	ug/l	96
75) 1,1,2,2-Tetrachloroethane	12.59	83	10630	5.336	ug/l	99
76) 1,2,3-Trichloropropane	12.64	75	8174m	5.819	ug/l	
77) Bromobenzene	12.61	156	10764	5.322	ug/l	99
78) n-propylbenzene	12.68	91	62535	5.504	ug/l	98
79) 2-Chlorotoluene	12.77	91	34675	5.441	ug/l	97
80) 1,3,5-Trimethylbenzene	12.82	105	41846	5.419	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.39	75	3391	4.580	ug/l	90
82) 4-Chlorotoluene	12.86	91	36652	5.453	ug/l	98
83) tert-Butylbenzene	13.08	119	35460	5.490	ug/l	98
84) 1,2,4-Trimethylbenzene	13.13	105	42585	5.531	ug/l	100
85) sec-Butylbenzene	13.26	105	51744	5.447	ug/l	99
86) p-Isopropyltoluene	13.38	119	45755	5.545	ug/l	98
87) 1,3-Dichlorobenzene	13.38	146	22279	5.680	ug/l	98
88) 1,4-Dichlorobenzene	13.45	146	22185	5.596	ug/l	95
89) n-Butylbenzene	13.70	91	47501	5.633	ug/l	97
90) Hexachloroethane	13.97	117	8024	5.161	ug/l	99
91) 1,2-Dichlorobenzene	13.75	146	19747	5.456	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.37	75	1760	5.354	ug/l	83

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.02	180	13052	5.441	ug/l	98
94) Hexachlorobutadiene	15.12	225	6503	5.451	ug/l	98
95) Naphthalene	15.25	128	29437	5.323	ug/l	100
96) 1,2,3-Trichlorobenzene	15.43	180	11728	5.558	ug/l	97

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

