

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY030320\
 Data File : VY001830.D
 Acq On : 03 Mar 2020 13:30
 Operator : SY/MD
 Sample : L1161-01 4PPBLOD
 Misc : 5.00G/5ML/MSVOA Y/SOIL
 ALS Vial : 7 Sample Multiplier: 1

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

Manual Integrations
 APPROVED

MMDadoda
 3/4/2020 2:02:06 PM

Quant Time: Mar 04 04:31:55 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	171772	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.71	114	315656	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.50	117	284695	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.43	152	132495	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.16	65	91407	49.47	ug/l	-0.01
Spiked Amount	50.000		Recovery	=	98.94%	
35) Dibromofluoromethane	7.74	113	84728	46.86	ug/l	-0.01
Spiked Amount	50.000		Recovery	=	93.72%	
50) Toluene-d8	10.19	98	343456	48.49	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.98%	
62) 4-Bromofluorobenzene	12.49	95	122629	44.57	ug/l	0.00
Spiked Amount	50.000		Recovery	=	89.14%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.91	85	8811	5.262	ug/l	95
3) Chloromethane	2.12	50	10551	4.685	ug/l	100
4) Vinyl Chloride	2.26	62	10085	4.440	ug/l	99
5) Bromomethane	2.66	94	7250	5.107	ug/l	97
6) Chloroethane	2.80	64	6576	4.698	ug/l	92
7) Trichlorofluoromethane	3.15	101	16394	5.639	ug/l	99
8) Diethyl Ether	3.55	74	5199	4.536	ug/l	91
9) 1,1,2-Trichlorotrifluoroet	3.93	101	8598	4.705	ug/l	97
10) Methyl Iodide	4.11	142	8252	3.690	ug/l	99
11) Tert butyl alcohol	4.97	59	10322	40.261	ug/l #	84
12) 1,1-Dichloroethene	3.89	96	8438	4.527	ug/l	93
13) Acrolein	3.76	56	2883	15.450	ug/l	98
14) Allyl chloride	4.50	41	15924	4.801	ug/l	97
15) Acrylonitrile	5.20	53	14092	23.988	ug/l	99
16) Acetone	3.97	43	13352	20.885	ug/l	99
17) Carbon Disulfide	4.21	76	26323	4.230	ug/l	100
18) Methyl Acetate	4.50	43	11285	8.106	ug/l	97
19) Methyl tert-butyl Ether	5.25	73	24580	4.737	ug/l	95
20) Methylene Chloride	4.74	84	19814	8.725	ug/l	92
21) trans-1,2-Dichloroethene	5.25	96	9703	4.563	ug/l	99
22) Diisopropyl ether	6.14	45	31025	4.555	ug/l	96
23) Vinyl Acetate	6.09	43	87341	19.657	ug/l	95
24) 1,1-Dichloroethane	6.05	63	17299	4.752	ug/l	99
25) 2-Butanone	7.01	43	19580	22.545	ug/l	97
26) 2,2-Dichloropropane	7.00	77	15336	4.842	ug/l	99
27) cis-1,2-Dichloroethene	7.01	96	10816	4.608	ug/l	99
28) Bromochloromethane	7.35	49	6416	4.231	ug/l #	98
29) Tetrahydrofuran	7.37	42	12310	23.451	ug/l	99
30) Chloroform	7.53	83	17017	4.784	ug/l	99
31) Cyclohexane	7.80	56	20428	5.263	ug/l #	72
32) 1,1,1-Trichloroethane	7.72	97	13419	4.488	ug/l	96
36) 1,1-Dichloropropene	7.93	75	13250	4.395	ug/l	99
37) Ethyl Acetate	7.10	43	8460	4.701	ug/l	98
38) Carbon Tetrachloride	7.92	117	11250	4.248	ug/l	93

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.19	83	17434	4.358	ug/l	95
40) Benzene	8.17	78	40464	4.563	ug/l	95
41) Methacrylonitrile	7.34	41	4745	5.251	ug/l #	86
42) 1,2-Dichloroethane	8.25	62	10719	4.437	ug/l	98
43) Isopropyl Acetate	8.29	43	15236	4.462	ug/l	99
44) Trichloroethene	8.95	130	10009	4.521	ug/l	94
45) 1,2-Dichloropropane	9.22	63	9922	4.468	ug/l	91
46) Dibromomethane	9.32	93	5444	4.687	ug/l	98
47) Bromodichloromethane	9.51	83	11868	4.233	ug/l	89
48) Methyl methacrylate	9.30	41	6733	4.360	ug/l	98
49) 1,4-Dioxane	9.32	88	1412	86.066	ug/l	92
51) 4-Methyl-2-Pentanone	10.08	43	39968	22.783	ug/l	97
52) Toluene	10.25	92	23715	4.287	ug/l	93
53) t-1,3-Dichloropropene	10.47	75	12844	4.144	ug/l	99
54) cis-1,3-Dichloropropene	9.94	75	15595	4.372	ug/l	97
55) 1,1,2-Trichloroethane	10.65	97	7900	4.612	ug/l	93
56) Ethyl methacrylate	10.52	69	10757	4.186	ug/l	97
57) 1,3-Dichloropropane	10.80	76	13688	4.498	ug/l	97
58) 2-Chloroethyl Vinyl ether	9.79	63	24408	22.747	ug/l	100
59) 2-Hexanone	10.84	43	27264	20.713	ug/l	100
60) Dibromochloromethane	10.99	129	7564	4.006	ug/l	97
61) 1,2-Dibromoethane	11.10	107	7150	4.415	ug/l	97
64) Tetrachloroethene	10.72	164	8519	4.767	ug/l	96
65) Chlorobenzene	11.52	112	25268	4.446	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.60	131	7882	4.111	ug/l	96
67) Ethyl Benzene	11.60	91	46543	4.413	ug/l	95
68) m/p-Xylenes	11.70	106	34665	8.798	ug/l	98
69) o-Xylene	12.03	106	16495	4.404	ug/l	96
70) Styrene	12.05	104	27886	4.284	ug/l	99
71) Bromoform	12.21	173	4472	4.081	ug/l #	93
73) Isopropylbenzene	12.33	105	43712	4.331	ug/l	98
74) N-amyl acetate	12.15	43	12991	4.033	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.59	83	9600	4.454	ug/l	96
76) 1,2,3-Trichloropropane	12.64	75	5381m	3.540	ug/l	
77) Bromobenzene	12.61	156	10035	4.586	ug/l	91
78) n-propylbenzene	12.67	91	53350	4.340	ug/l	100
79) 2-Chlorotoluene	12.76	91	30191	4.379	ug/l	99
80) 1,3,5-Trimethylbenzene	12.82	105	35499	4.249	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.38	75	3183	3.973	ug/l	95
82) 4-Chlorotoluene	12.86	91	31139	4.282	ug/l	98
83) tert-Butylbenzene	13.08	119	29945	4.285	ug/l	99
84) 1,2,4-Trimethylbenzene	13.13	105	36299	4.358	ug/l	99
85) sec-Butylbenzene	13.26	105	43781	4.260	ug/l	98
86) p-Isopropyltoluene	13.38	119	38571	4.320	ug/l	99
87) 1,3-Dichlorobenzene	13.38	146	19103	4.502	ug/l	98
88) 1,4-Dichlorobenzene	13.45	146	19221	4.481	ug/l	91
89) n-Butylbenzene	13.70	91	39585	4.339	ug/l	99
90) Hexachloroethane	13.97	117	6763	4.020	ug/l	99
91) 1,2-Dichlorobenzene	13.74	146	17240	4.402	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.36	75	1551	4.361	ug/l	92

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.02	180	11290	4.350	ug/l	96
94) Hexachlorobutadiene	15.12	225	5551	4.301	ug/l	98
95) Naphthalene	15.24	128	27042	4.519	ug/l	98
96) 1,2,3-Trichlorobenzene	15.43	180	10265	4.496	ug/l	97

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

