

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY030320\
 Data File : VY001836.D
 Acq On : 03 Mar 2020 15:42
 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
 3/4/2020 2:02:12 PM

Quant Time: Mar 04 04:35:54 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	163335	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.71	114	294110	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.50	117	262783	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.43	152	119144	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.16	65	90101	51.28	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.56%	
35) Dibromofluoromethane	7.74	113	81084	48.13	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.26%	
50) Toluene-d8	10.19	98	333273	50.50	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.00%	
62) 4-Bromofluorobenzene	12.48	95	116531	45.45	ug/l	0.00
Spiked Amount	50.000		Recovery	=	90.90%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.91	85	5465	3.432	ug/l	98
3) Chloromethane	2.12	50	6097	2.847	ug/l	98
4) Vinyl Chloride	2.26	62	5757	2.665	ug/l	99
5) Bromomethane	2.66	94	4513	3.343	ug/l	93
6) Chloroethane	2.81	64	3643	2.737	ug/l	90
7) Trichlorofluoromethane	3.15	101	9705	3.511	ug/l	93
8) Diethyl Ether	3.55	74	2961	2.717	ug/l	88
9) 1,1,2-Trichlorotrifluoroet	3.92	101	5249	3.021	ug/l	98
10) Methyl Iodide	4.11	142	4148	1.951	ug/l	98
11) Tert butyl alcohol	4.97	59	7334m	30.084	ug/l	
12) 1,1-Dichloroethene	3.89	96	5071	2.861	ug/l	95
13) Acrolein	3.75	56	1868	10.528	ug/l	87
14) Allyl chloride	4.50	41	9017	2.859	ug/l	97
15) Acrylonitrile	5.19	53	7902	14.146	ug/l	98
16) Acetone	3.97	43	8378	13.782	ug/l	93
17) Carbon Disulfide	4.21	76	15131	2.557	ug/l	96
18) Methyl Acetate	4.50	43	6319	4.773	ug/l	94
19) Methyl tert-butyl Ether	5.25	73	13681	2.773	ug/l	98
20) Methylene Chloride	4.74	84	12839	5.946	ug/l #	91
21) trans-1,2-Dichloroethene	5.25	96	5549	2.744	ug/l	89
22) Diisopropyl ether	6.14	45	17918	2.766	ug/l	94
23) Vinyl Acetate	6.09	43	47246	11.182	ug/l	98
24) 1,1-Dichloroethane	6.04	63	9801	2.831	ug/l	96
25) 2-Butanone	7.01	43	11254	13.628	ug/l	95
26) 2,2-Dichloropropane	7.01	77	9286	3.083	ug/l	96
27) cis-1,2-Dichloroethene	7.01	96	5863	2.627	ug/l	89
28) Bromochloromethane	7.36	49	3939	2.731	ug/l	93
29) Tetrahydrofuran	7.37	42	7139	14.303	ug/l	97
30) Chloroform	7.53	83	9914	2.931	ug/l	98
31) Cyclohexane	7.81	56	13513	3.661	ug/l #	59
32) 1,1,1-Trichloroethane	7.73	97	7690	2.705	ug/l	96
36) 1,1-Dichloropropene	7.94	75	7620	2.712	ug/l	98
37) Ethyl Acetate	7.11	43	4866	2.902	ug/l #	79
38) Carbon Tetrachloride	7.92	117	6871	2.785	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.20	83	10184	2.732	ug/l	92
40) Benzene	8.18	78	23411	2.833	ug/l	97
41) Methacrylonitrile	7.33	41	1868	2.219	ug/l #	59
42) 1,2-Dichloroethane	8.26	62	6477	2.877	ug/l	88
43) Isopropyl Acetate	8.29	43	8596	2.702	ug/l	99
44) Trichloroethene	8.96	130	5519	2.676	ug/l	93
45) 1,2-Dichloropropane	9.23	63	5828	2.817	ug/l	92
46) Dibromomethane	9.32	93	2962	2.737	ug/l	94
47) Bromodichloromethane	9.51	83	7100	2.718	ug/l #	99
48) Methyl methacrylate	9.31	41	3954	2.748	ug/l	98
49) 1,4-Dioxane	9.31	88	769	50.307	ug/l #	87
51) 4-Methyl-2-Pentanone	10.08	43	21531	13.172	ug/l	98
52) Toluene	10.25	92	14450	2.804	ug/l	98
53) t-1,3-Dichloropropene	10.47	75	6950	2.407	ug/l #	85
54) cis-1,3-Dichloropropene	9.94	75	8433	2.537	ug/l	96
55) 1,1,2-Trichloroethane	10.66	97	4160	2.607	ug/l	95
56) Ethyl methacrylate	10.52	69	6239	2.606	ug/l	98
57) 1,3-Dichloropropane	10.80	76	7883	2.780	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.80	63	13461	13.464	ug/l	100
59) 2-Hexanone	10.84	43	14638	11.935	ug/l	97
60) Dibromochloromethane	10.99	129	4410	2.506	ug/l	98
61) 1,2-Dibromoethane	11.10	107	3936	2.608	ug/l	91
64) Tetrachloroethene	10.73	164	5042	3.056	ug/l	94
65) Chlorobenzene	11.52	112	14463	2.757	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.60	131	4561	2.577	ug/l	99
67) Ethyl Benzene	11.60	91	26515	2.723	ug/l	93
68) m/p-Xylenes	11.71	106	19817	5.449	ug/l	97
69) o-Xylene	12.03	106	9825	2.842	ug/l	95
70) Styrene	12.05	104	15511	2.581	ug/l	98
71) Bromoform	12.22	173	2496	2.468	ug/l #	95
73) Isopropylbenzene	12.33	105	24841	2.737	ug/l	98
74) N-amyl acetate	12.15	43	8145	2.812	ug/l #	95
75) 1,1,2,2-Tetrachloroethane	12.59	83	5471	2.823	ug/l	97
76) 1,2,3-Trichloropropane	12.64	75	3904m	2.856	ug/l	
77) Bromobenzene	12.61	156	5574	2.833	ug/l	89
78) n-propylbenzene	12.68	91	30102	2.723	ug/l	99
79) 2-Chlorotoluene	12.77	91	17096	2.757	ug/l	96
80) 1,3,5-Trimethylbenzene	12.82	105	20795	2.768	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.38	75	1673m	2.322	ug/l	
82) 4-Chlorotoluene	12.86	91	17487	2.674	ug/l	99
83) tert-Butylbenzene	13.08	119	17222	2.741	ug/l	99
84) 1,2,4-Trimethylbenzene	13.13	105	20135	2.688	ug/l	99
85) sec-Butylbenzene	13.26	105	25378	2.746	ug/l	100
86) p-Isopropyltoluene	13.37	119	21670	2.699	ug/l	98
87) 1,3-Dichlorobenzene	13.37	146	10291	2.697	ug/l	99
88) 1,4-Dichlorobenzene	13.45	146	10804	2.801	ug/l	86
89) n-Butylbenzene	13.70	91	21715	2.647	ug/l	100
90) Hexachloroethane	13.97	117	3781	2.499	ug/l	93
91) 1,2-Dichlorobenzene	13.75	146	9617	2.731	ug/l	95
92) 1,2-Dibromo-3-Chloropropan	14.36	75	732	2.289	ug/l	91

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.01	180	6390	2.738	ug/l	98
94) Hexachlorobutadiene	15.12	225	3082	2.655	ug/l	92
95) Naphthalene	15.24	128	13443	2.498	ug/l	97
96) 1,2,3-Trichlorobenzene	15.44	180	5331	2.597	ug/l	96

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

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