

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY030320\
 Data File : VY001829.D
 Acq On : 03 Mar 2020 13:09
 Operator : SY/MD
 Sample : L1161-01 2.5PPBLOD
 Misc : 5.00G/5ML/MSVOA Y/SOIL
 ALS Vial : 6 Sample Multiplier: 1

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

Manual Integrations
 APPROVED

MMDadoda
 3/4/2020 2:02:03 PM

Quant Time: Mar 04 04:30:12 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y021720S.M
 Quant Title : SW846 8260
 QLast Update : Mon Feb 17 12:19:53 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.81	168	170361	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.70	114	311186	50.00	ug/l	-0.01
63) Chlorobenzene-d5	11.50	117	276399	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.43	152	128870	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.16	65	90626	49.46	ug/l	-0.01
Spiked Amount				50.000		
			Recovery	=	98.92%	
35) Dibromofluoromethane	7.74	113	83247	46.71	ug/l	-0.01
Spiked Amount				50.000		
			Recovery	=	93.42%	
50) Toluene-d8	10.19	98	345368	49.46	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	98.92%	
62) 4-Bromofluorobenzene	12.49	95	121713	44.87	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	89.74%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.91	85	5881	3.541	ug/l	95
3) Chloromethane	2.12	50	7286	3.262	ug/l	94
4) Vinyl Chloride	2.26	62	6527	2.897	ug/l #	85
5) Bromomethane	2.66	94	5082	3.609	ug/l	85
6) Chloroethane	2.80	64	4476	3.224	ug/l	91
7) Trichlorofluoromethane	3.13	101	10835	3.758	ug/l	87
8) Diethyl Ether	3.55	74	3556	3.128	ug/l	89
9) 1,1,2-Trichlorotrifluoroet	3.92	101	6298	3.475	ug/l	94
10) Methyl Iodide	4.11	142	5586	2.518	ug/l	97
11) Tert butyl alcohol	4.96	59	8334	32.776	ug/l #	83
12) 1,1-Dichloroethene	3.90	96	6126	3.314	ug/l	90
13) Acrolein	3.75	56	2128	11.498	ug/l	89
14) Allyl chloride	4.50	41	10589	3.219	ug/l	96
15) Acrylonitrile	5.20	53	10103	17.340	ug/l	98
16) Acetone	3.97	43	10252	16.169	ug/l	88
17) Carbon Disulfide	4.21	76	18264	2.960	ug/l	97
18) Methyl Acetate	4.50	43	7973	5.774	ug/l #	68
19) Methyl tert-butyl Ether	5.24	73	16287	3.165	ug/l	93
20) Methylene Chloride	4.74	84	14676	6.516	ug/l	95
21) trans-1,2-Dichloroethene	5.24	96	6850	3.248	ug/l	87
22) Diisopropyl ether	6.14	45	21620	3.200	ug/l	96
23) Vinyl Acetate	6.08	43	59202	13.434	ug/l	97
24) 1,1-Dichloroethane	6.04	63	11488	3.182	ug/l	98
25) 2-Butanone	7.00	43	14505	16.840	ug/l	100
26) 2,2-Dichloropropane	7.00	77	10646	3.389	ug/l	97
27) cis-1,2-Dichloroethene	7.01	96	7236	3.108	ug/l	92
28) Bromochloromethane	7.35	49	3934	2.615	ug/l #	95
29) Tetrahydrofuran	7.36	42	9316	17.894	ug/l	94
30) Chloroform	7.53	83	11510	3.262	ug/l	89
31) Cyclohexane	7.80	56	15560	4.042	ug/l #	75
32) 1,1,1-Trichloroethane	7.72	97	9167	3.091	ug/l	99
36) 1,1-Dichloropropene	7.93	75	9241	3.109	ug/l	98
37) Ethyl Acetate	7.10	43	5551	3.129	ug/l	97
38) Carbon Tetrachloride	7.91	117	7685	2.943	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.19	83	12423	3.150	ug/l	93
40) Benzene	8.18	78	27390	3.133	ug/l	98
41) Methacrylonitrile	7.33	41	2960m	3.323	ug/l	
42) 1,2-Dichloroethane	8.25	62	7789	3.270	ug/l	100
43) Isopropyl Acetate	8.28	43	10643	3.162	ug/l	98
44) Trichloroethene	8.96	130	6860	3.143	ug/l	88
45) 1,2-Dichloropropane	9.22	63	6982	3.189	ug/l	95
46) Dibromomethane	9.32	93	3733	3.260	ug/l	96
47) Bromodichloromethane	9.51	83	8353	3.022	ug/l	98
48) Methyl methacrylate	9.30	41	4667	3.066	ug/l	97
49) 1,4-Dioxane	9.30	88	1030	63.684	ug/l	100
51) 4-Methyl-2-Pentanone	10.08	43	25966	15.014	ug/l	99
52) Toluene	10.25	92	16666	3.056	ug/l	99
53) t-1,3-Dichloropropene	10.47	75	8815	2.885	ug/l	98
54) cis-1,3-Dichloropropene	9.94	75	10637	3.025	ug/l	96
55) 1,1,2-Trichloroethane	10.66	97	5398	3.197	ug/l	93
56) Ethyl methacrylate	10.52	69	7048	2.782	ug/l	89
57) 1,3-Dichloropropane	10.80	76	9715	3.238	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.79	63	16197	15.312	ug/l	99
59) 2-Hexanone	10.84	43	19079	14.703	ug/l	97
60) Dibromochloromethane	10.99	129	5323	2.859	ug/l	95
61) 1,2-Dibromoethane	11.10	107	4867	3.048	ug/l	96
64) Tetrachloroethene	10.73	164	5801	3.343	ug/l	92
65) Chlorobenzene	11.52	112	18220	3.302	ug/l	95
66) 1,1,1,2-Tetrachloroethane	11.60	131	5503	2.956	ug/l	96
67) Ethyl Benzene	11.60	91	32152	3.140	ug/l	99
68) m/p-Xylenes	11.70	106	23500	6.143	ug/l	100
69) o-Xylene	12.03	106	11218	3.085	ug/l	98
70) Styrene	12.05	104	18438	2.917	ug/l	99
71) Bromoform	12.21	173	2705	2.543	ug/l #	92
73) Isopropylbenzene	12.34	105	29999	3.056	ug/l	99
74) N-amyl acetate	12.15	43	9336	2.980	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.59	83	6315	3.013	ug/l	91
76) 1,2,3-Trichloropropane	12.64	75	4841m	3.275	ug/l	
77) Bromobenzene	12.61	156	6483	3.046	ug/l	97
78) n-propylbenzene	12.67	91	38574	3.226	ug/l	99
79) 2-Chlorotoluene	12.77	91	20814	3.104	ug/l	100
80) 1,3,5-Trimethylbenzene	12.82	105	25197	3.100	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.39	75	2027	2.601	ug/l #	86
82) 4-Chlorotoluene	12.86	91	21878	3.093	ug/l	100
83) tert-Butylbenzene	13.08	119	21482	3.161	ug/l	98
84) 1,2,4-Trimethylbenzene	13.13	105	24736	3.053	ug/l	97
85) sec-Butylbenzene	13.26	105	30915	3.093	ug/l	100
86) p-Isopropyltoluene	13.38	119	26739	3.079	ug/l	99
87) 1,3-Dichlorobenzene	13.38	146	12674	3.071	ug/l	96
88) 1,4-Dichlorobenzene	13.45	146	13562	3.250	ug/l	91
89) n-Butylbenzene	13.70	91	27415	3.089	ug/l	96
90) Hexachloroethane	13.97	117	4756	2.907	ug/l	96
91) 1,2-Dichlorobenzene	13.75	146	11792	3.096	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.36	75	1103	3.188	ug/l	91

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93) 1,2,4-Trichlorobenzene	15.01	180	8180	3.241	ug/l	94
94) Hexachlorobutadiene	15.12	225	3927	3.128	ug/l	97
95) Naphthalene	15.24	128	19354	3.325	ug/l	99
96) 1,2,3-Trichlorobenzene	15.43	180	7884	3.550	ug/l	95

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

