

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY070720\
 Data File : VY003121.D
 Acq On : 07 Jul 2020 13:05
 Operator : SY/MD
 Sample : L3216-01 2.5PPBLOD
 Misc : 5.00G/5ML/MSVOA Y/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 LOD-MDL-SOIL-01-QT3-2020

Manual Integrations
 APPROVED

MMDadoda
 7/8/2020 12:20:38 PM

Quant Time: Jul 08 04:45:34 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y062920S.M
 Quant Title : SW846 8260
 QLast Update : Wed Jul 08 04:37:44 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.80	168	423491	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.69	114	608449	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	554414	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	295420	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.14	65	204583	48.64	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.28%	
35) Dibromofluoromethane	7.72	113	201762	53.16	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.32%	
50) Toluene-d8	10.18	98	735538	52.02	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.04%	
62) 4-Bromofluorobenzene	12.48	95	257810	51.80	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.60%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.91	85	9649	3.009	ug/l	100
3) Chloromethane	2.12	50	15626	3.327	ug/l	98
4) Vinyl Chloride	2.26	62	12900	2.816	ug/l	95
5) Bromomethane	2.65	94	10636	3.419	ug/l	87
6) Chloroethane	2.80	64	8069	2.769	ug/l	90
7) Trichlorofluoromethane	3.13	101	17790	2.751	ug/l	91
8) Diethyl Ether	3.54	74	6181	2.788	ug/l	89
9) 1,1,2-Trichlorotrifluoroet	3.91	101	10809	2.800	ug/l	93
10) Methyl Iodide	4.10	142	12818	2.677	ug/l	97
11) Tert butyl alcohol	4.96	59	4142	9.663	ug/l	100
12) 1,1-Dichloroethene	3.88	96	10240	2.788	ug/l	85
13) Acrolein	3.73	56	4246	11.029	ug/l	96
14) Allyl chloride	4.49	41	14571	2.272	ug/l	96
15) Acrylonitrile	5.18	53	13772	12.055	ug/l	98
16) Acetone	3.96	43	12994	13.099	ug/l	94
17) Carbon Disulfide	4.20	76	30743	2.619	ug/l #	95
18) Methyl Acetate	4.49	43	8845	3.310	ug/l #	90
19) Methyl tert-butyl Ether	5.22	73	27464	2.565	ug/l	93
20) Methylene Chloride	4.72	84	22406	4.047	ug/l #	76
21) trans-1,2-Dichloroethene	5.22	96	11439	2.753	ug/l	89
22) Diisopropyl ether	6.12	45	31846	2.317	ug/l	93
23) Vinyl Acetate	6.07	43	89232	9.709	ug/l	96
24) 1,1-Dichloroethane	6.03	63	19403	2.584	ug/l	98
25) 2-Butanone	6.99	43	17702	11.234	ug/l	93
26) 2,2-Dichloropropane	6.99	77	18256	2.676	ug/l	98
27) cis-1,2-Dichloroethene	7.00	96	12694	2.724	ug/l	92
28) Bromochloromethane	7.34	49	8539	2.556	ug/l	88
29) Tetrahydrofuran	7.35	42	11727	11.191	ug/l	96
30) Chloroform	7.51	83	19904	2.676	ug/l	97
31) Cyclohexane	7.80	56	24741	3.344	ug/l #	60
32) 1,1,1-Trichloroethane	7.71	97	17126	2.522	ug/l	99
36) 1,1-Dichloropropene	7.92	75	14936	2.548	ug/l	96
37) Ethyl Acetate	7.08	43	8583	2.436	ug/l #	94
38) Carbon Tetrachloride	7.90	117	16585	2.720	ug/l	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.19	83	18939	2.606	ug/l	98
40) Benzene	8.17	78	43759	2.727	ug/l	99
41) Methacrylonitrile	7.33	41	6089m	3.235	ug/l	
42) 1,2-Dichloroethane	8.24	62	13677	2.694	ug/l	97
43) Isopropyl Acetate	8.28	43	15656	2.337	ug/l	92
44) Trichloroethene	8.94	130	13272	2.846	ug/l	94
45) 1,2-Dichloropropane	9.22	63	11453	2.653	ug/l	90
46) Dibromomethane	9.31	93	6552	2.718	ug/l	100
47) Bromodichloromethane	9.50	83	15085	2.555	ug/l #	98
48) Methyl methacrylate	9.29	41	6807	2.232	ug/l	93
49) 1,4-Dioxane	9.29	88	1700	57.762	ug/l #	92
51) 4-Methyl-2-Pentanone	10.07	43	38771	11.198	ug/l	99
52) Toluene	10.24	92	28003	2.772	ug/l	96
53) t-1,3-Dichloropropene	10.47	75	14848	2.399	ug/l	93
54) cis-1,3-Dichloropropene	9.93	75	17325	2.447	ug/l	98
55) 1,1,2-Trichloroethane	10.64	97	8664	2.586	ug/l	98
56) Ethyl methacrylate	10.51	69	10773	2.221	ug/l	96
57) 1,3-Dichloropropane	10.79	76	15105	2.568	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.78	63	30991	12.460	ug/l	93
59) 2-Hexanone	10.83	43	26742	11.050	ug/l	100
60) Dibromochloromethane	10.99	129	10847	2.530	ug/l	99
61) 1,2-Dibromoethane	11.09	107	8490	2.570	ug/l	94
64) Tetrachloroethene	10.72	164	14811	3.156	ug/l	92
65) Chlorobenzene	11.52	112	30579	2.797	ug/l	92
66) 1,1,1,2-Tetrachloroethane	11.59	131	10494	2.459	ug/l	90
67) Ethyl Benzene	11.59	91	52482	2.624	ug/l	99
68) m/p-Xylenes	11.70	106	40607	5.455	ug/l	95
69) o-Xylene	12.03	106	18204	2.595	ug/l	98
70) Styrene	12.04	104	30366	2.534	ug/l	97
71) Bromoform	12.20	173	7393	2.598	ug/l #	99
73) Isopropylbenzene	12.33	105	51322	2.654	ug/l	99
74) N-amyl acetate	12.14	43	12750	2.026	ug/l	95
75) 1,1,2,2-Tetrachloroethane	12.58	83	9867	2.529	ug/l	90
76) 1,2,3-Trichloropropane	12.63	75	7345m	2.512	ug/l	
77) Bromobenzene	12.61	156	13245	2.672	ug/l	95
78) n-propylbenzene	12.67	91	61323	2.637	ug/l	99
79) 2-Chlorotoluene	12.75	91	34064	2.625	ug/l	96
80) 1,3,5-Trimethylbenzene	12.81	105	42509	2.620	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.38	75	3541m	2.356	ug/l	
82) 4-Chlorotoluene	12.85	91	36818	2.725	ug/l	99
83) tert-Butylbenzene	13.08	119	37719	2.648	ug/l	97
84) 1,2,4-Trimethylbenzene	13.12	105	42260	2.585	ug/l	96
85) sec-Butylbenzene	13.25	105	51510	2.623	ug/l	98
86) p-Isopropyltoluene	13.37	119	47436	2.607	ug/l	99
87) 1,3-Dichlorobenzene	13.37	146	26391	2.852	ug/l	99
88) 1,4-Dichlorobenzene	13.44	146	27898	3.057	ug/l	89
89) n-Butylbenzene	13.69	91	46656	2.680	ug/l	98
90) Hexachloroethane	13.96	117	8559	2.369	ug/l	99
91) 1,2-Dichlorobenzene	13.74	146	23912	2.880	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.36	75	2196	3.179	ug/l	83

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.01	180	20090	3.256	ug/l	99
94) Hexachlorobutadiene	15.11	225	12083	3.105	ug/l	98
95) Naphthalene	15.23	128	34640	3.074	ug/l	98
96) 1,2,3-Trichlorobenzene	15.42	180	16972	3.168	ug/l	99

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

