

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY050720\
 Data File : VY002623.D
 Acq On : 07 May 2020 12:08
 Operator : SY/MD
 Sample : L2182-03 4PPBMDL
 Misc : 5.00G/5ML/MSVOA Y/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 MDL-SOIL-03-QT2-2020DL

Manual Integrations
 APPROVED

MMDadoda
 5/8/2020 1:23:50 PM

Quant Time: May 08 08:19:00 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y043020S.M
 Quant Title : SW846 8260
 QLast Update : Thu May 07 13:09:53 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.80	168	353652	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.70	114	534369	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.50	117	481623	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.43	152	247398	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.16	65	147160	49.49	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.98%	
35) Dibromofluoromethane	7.73	113	157286	51.47	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.94%	
50) Toluene-d8	10.19	98	617977	51.78	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.56%	
62) 4-Bromofluorobenzene	12.49	95	210657	52.02	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.04%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.91	85	11495	4.280	ug/l	99
3) Chloromethane	2.12	50	13991	4.883	ug/l	97
4) Vinyl Chloride	2.26	62	14876	4.496	ug/l	96
5) Bromomethane	2.66	94	11221	4.918	ug/l	100
6) Chloroethane	2.80	64	9224	4.669	ug/l	97
7) Trichlorofluoromethane	3.14	101	23016	4.489	ug/l	99
8) Diethyl Ether	3.54	74	7931	4.603	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.91	101	14742	4.704	ug/l	100
10) Methyl Iodide	4.11	142	17238	4.037	ug/l	99
11) Tert butyl alcohol	4.97	59	7970	26.052	ug/l #	86
12) 1,1-Dichloroethene	3.89	96	14602	4.796	ug/l	96
13) Acrolein	3.74	56	3265	15.434	ug/l	93
14) Allyl chloride	4.49	41	20405	4.600	ug/l	99
15) Acrylonitrile	5.19	53	17420	21.437	ug/l	98
16) Acetone	3.96	43	12858	20.952	ug/l	99
17) Carbon Disulfide	4.21	76	41663	4.549	ug/l	99
18) Methyl Acetate	4.50	43	10490	5.116	ug/l	96
19) Methyl tert-butyl Ether	5.24	73	34446	4.337	ug/l	98
20) Methylene Chloride	4.74	84	18832	5.488	ug/l	94
21) trans-1,2-Dichloroethene	5.24	96	15705	4.720	ug/l	92
22) Diisopropyl ether	6.14	45	41371	4.609	ug/l	93
23) Vinyl Acetate	6.08	43	113861	20.172	ug/l	98
24) 1,1-Dichloroethane	6.04	63	24482	4.611	ug/l	98
25) 2-Butanone	7.01	43	21246	21.150	ug/l	97
26) 2,2-Dichloropropane	7.00	77	23679	4.692	ug/l	98
27) cis-1,2-Dichloroethene	7.00	96	17501	4.753	ug/l	98
28) Bromochloromethane	7.35	49	10110	4.647	ug/l	97
29) Tetrahydrofuran	7.36	42	14315	21.538	ug/l	97
30) Chloroform	7.52	83	25268	4.577	ug/l	95
31) Cyclohexane	7.80	56	29247	5.472	ug/l #	84
32) 1,1,1-Trichloroethane	7.71	97	23511	4.582	ug/l	98
36) 1,1-Dichloropropene	7.93	75	20575	4.593	ug/l	100
37) Ethyl Acetate	7.10	43	10314	4.480	ug/l #	93
38) Carbon Tetrachloride	7.91	117	21862	4.470	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.19	83	27059	4.573	ug/l	94
40) Benzene	8.17	78	59939	4.633	ug/l	97
41) Methacrylonitrile	7.35	41	6356m	5.135	ug/l	
42) 1,2-Dichloroethane	8.25	62	15696	4.325	ug/l	99
43) Isopropyl Acetate	8.28	43	17929	4.154	ug/l	100
44) Trichloroethene	8.95	130	18988	4.696	ug/l	97
45) 1,2-Dichloropropane	9.22	63	14366	4.601	ug/l	99
46) Dibromomethane	9.32	93	7633	4.249	ug/l	98
47) Bromodichloromethane	9.50	83	18437	4.220	ug/l	96
48) Methyl methacrylate	9.30	41	7742	3.964	ug/l	95
49) 1,4-Dioxane	9.31	88	1981	83.278	ug/l #	90
51) 4-Methyl-2-Pentanone	10.08	43	49301	22.164	ug/l	99
52) Toluene	10.25	92	38515	4.632	ug/l	99
53) t-1,3-Dichloropropene	10.47	75	19016	4.155	ug/l	93
54) cis-1,3-Dichloropropene	9.94	75	22301	4.215	ug/l	99
55) 1,1,2-Trichloroethane	10.65	97	11660	4.450	ug/l	97
56) Ethyl methacrylate	10.52	69	14146	4.059	ug/l	97
57) 1,3-Dichloropropane	10.80	76	19103	4.300	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.79	63	40275	21.912	ug/l	98
59) 2-Hexanone	10.84	43	29881	19.517	ug/l	99
60) Dibromochloromethane	10.99	129	14578	4.375	ug/l	96
61) 1,2-Dibromoethane	11.10	107	11385	4.389	ug/l	97
64) Tetrachloroethene	10.72	164	21279	4.973	ug/l	94
65) Chlorobenzene	11.52	112	41807	4.566	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.60	131	14985	4.409	ug/l	100
67) Ethyl Benzene	11.60	91	74257	4.617	ug/l	98
68) m/p-Xylenes	11.70	106	56328	9.052	ug/l	99
69) o-Xylene	12.03	106	26236	4.503	ug/l	99
70) Styrene	12.05	104	44620	4.480	ug/l	99
71) Bromoform	12.21	173	8489	4.024	ug/l #	96
73) Isopropylbenzene	12.33	105	72870	4.545	ug/l	99
74) N-amyl acetate	12.15	43	15309	3.969	ug/l #	96
75) 1,1,2,2-Tetrachloroethane	12.59	83	10512	4.122	ug/l	99
76) 1,2,3-Trichloropropane	12.64	75	9074m	4.127	ug/l	
77) Bromobenzene	12.61	156	18110	4.521	ug/l	99
78) n-propylbenzene	12.67	91	86560	4.652	ug/l	100
79) 2-Chlorotoluene	12.76	91	47679	4.626	ug/l	99
80) 1,3,5-Trimethylbenzene	12.82	105	60596	4.559	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.39	75	4231	3.859	ug/l	96
82) 4-Chlorotoluene	12.86	91	49472	4.570	ug/l	100
83) tert-Butylbenzene	13.08	119	52782	4.529	ug/l	99
84) 1,2,4-Trimethylbenzene	13.13	105	59978	4.528	ug/l	98
85) sec-Butylbenzene	13.26	105	74667	4.617	ug/l	99
86) p-Isopropyltoluene	13.38	119	70382	4.645	ug/l	99
87) 1,3-Dichlorobenzene	13.37	146	35446	4.675	ug/l	99
88) 1,4-Dichlorobenzene	13.45	146	34763	4.630	ug/l	91
89) n-Butylbenzene	13.70	91	63988	4.639	ug/l	99
90) Hexachloroethane	13.97	117	12818	4.645	ug/l	96
91) 1,2-Dichlorobenzene	13.75	146	30328	4.483	ug/l	96
92) 1,2-Dibromo-3-Chloropropan	14.36	75	1937	4.075	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.02	180	22569	4.595	ug/l	98
94) Hexachlorobutadiene	15.12	225	14433	4.895	ug/l	97
95) Naphthalene	15.25	128	38157	4.259	ug/l	99
96) 1,2,3-Trichlorobenzene	15.44	180	19372	4.646	ug/l	99

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

