

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY050620\
 Data File : VY002607.D
 Acq On : 06 May 2020 12:04
 Operator : SY/MD
 Sample : L2182-01 4PPBLOD
 Misc : 5.00G/5ML/MSVOA Y/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 LOD-MDL-SOIL-01-QT2-2020

Manual Integrations
 APPROVED

MMDadoda
 5/7/2020 10:35:28 AM

Quant Time: May 06 13:03:23 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y043020S.M
 Quant Title : SW846 8260
 QLast Update : Wed May 06 12:51:42 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.82	168	379539	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.71	114	561986	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.50	117	511776	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.44	152	269070	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.16	65	170769	53.51	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.02%	
35) Dibromofluoromethane	7.74	113	179557	55.87	ug/l	0.00
Spiked Amount	50.000		Recovery	=	111.74%	
50) Toluene-d8	10.19	98	697877	55.60	ug/l	0.00
Spiked Amount	50.000		Recovery	=	111.20%	
62) 4-Bromofluorobenzene	12.49	95	240320	56.43	ug/l	0.00
Spiked Amount	50.000		Recovery	=	112.86%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.91	85	11744	4.074	ug/l	93
3) Chloromethane	2.13	50	13663	4.443	ug/l	93
4) Vinyl Chloride	2.27	62	15557	4.381	ug/l	99
5) Bromomethane	2.66	94	11079	4.525	ug/l	100
6) Chloroethane	2.82	64	9261	4.368	ug/l	97
7) Trichlorofluoromethane	3.15	101	22946	4.170	ug/l	99
8) Diethyl Ether	3.55	74	8490	4.591	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	3.93	101	14694	4.369	ug/l	99
10) Methyl Iodide	4.12	142	17736	3.871	ug/l	96
11) Tert butyl alcohol	4.99	59	8123	24.741	ug/l #	91
12) 1,1-Dichloroethene	3.90	96	14379	4.401	ug/l	99
13) Acrolein	3.76	56	3910	17.222	ug/l	96
14) Allyl chloride	4.51	41	20506	4.308	ug/l	98
15) Acrylonitrile	5.20	53	18464	21.172	ug/l	100
16) Acetone	3.97	43	13966	21.206	ug/l	96
17) Carbon Disulfide	4.22	76	42165	4.290	ug/l	98
18) Methyl Acetate	4.51	43	11649	5.294	ug/l	98
19) Methyl tert-butyl Ether	5.26	73	35864	4.207	ug/l #	89
20) Methylene Chloride	4.76	84	18825	5.111	ug/l	91
21) trans-1,2-Dichloroethene	5.25	96	16305	4.566	ug/l	93
22) Diisopropyl ether	6.15	45	42505	4.413	ug/l	94
23) Vinyl Acetate	6.10	43	121004	19.975	ug/l	97
24) 1,1-Dichloroethane	6.05	63	24500	4.299	ug/l	97
25) 2-Butanone	7.02	43	23037	21.368	ug/l	98
26) 2,2-Dichloropropane	7.01	77	23924	4.417	ug/l	97
27) cis-1,2-Dichloroethene	7.01	96	17457	4.418	ug/l	98
28) Bromochloromethane	7.36	49	10406	4.457	ug/l	98
29) Tetrahydrofuran	7.38	42	15714	22.031	ug/l	98
30) Chloroform	7.53	83	26129	4.410	ug/l	95
31) Cyclohexane	7.81	56	29178	5.087	ug/l #	80
32) 1,1,1-Trichloroethane	7.72	97	22985	4.174	ug/l	99
36) 1,1-Dichloropropene	7.94	75	20667	4.387	ug/l	98
37) Ethyl Acetate	7.10	43	11115	4.591	ug/l	99
38) Carbon Tetrachloride	7.93	117	21201	4.122	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.20	83	26850	4.315	ug/l	98
40) Benzene	8.18	78	59776	4.393	ug/l	100
41) Methacrylonitrile	7.36	41	8340m	6.407	ug/l	
42) 1,2-Dichloroethane	8.26	62	17182	4.502	ug/l	99
43) Isopropyl Acetate	8.29	43	18993	4.185	ug/l	97
44) Trichloroethene	8.96	130	19125	4.497	ug/l	88
45) 1,2-Dichloropropane	9.24	63	13989	4.260	ug/l	98
46) Dibromomethane	9.32	93	8163	4.320	ug/l	96
47) Bromodichloromethane	9.52	83	18948	4.124	ug/l	97
48) Methyl methacrylate	9.31	41	8714	4.242	ug/l	94
49) 1,4-Dioxane	9.32	88	2271	90.778	ug/l	99
51) 4-Methyl-2-Pentanone	10.08	43	50492	21.584	ug/l	100
52) Toluene	10.25	92	38052	4.351	ug/l	98
53) t-1,3-Dichloropropene	10.48	75	20113	4.178	ug/l	98
54) cis-1,3-Dichloropropene	9.94	75	23282	4.184	ug/l	99
55) 1,1,2-Trichloroethane	10.66	97	11773	4.273	ug/l	96
56) Ethyl methacrylate	10.52	69	14697	4.010	ug/l	94
57) 1,3-Dichloropropane	10.80	76	20018	4.284	ug/l	96
58) 2-Chloroethyl Vinyl ether	9.80	63	43217	22.357	ug/l	100
59) 2-Hexanone	10.85	43	33324	20.697	ug/l	98
60) Dibromochloromethane	11.00	129	14395	4.108	ug/l	100
61) 1,2-Dibromoethane	11.10	107	11740	4.303	ug/l	99
64) Tetrachloroethene	10.73	164	21874	4.811	ug/l	98
65) Chlorobenzene	11.53	112	41943	4.311	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.60	131	15168	4.200	ug/l	99
67) Ethyl Benzene	11.60	91	72805	4.260	ug/l	97
68) m/p-Xylenes	11.71	106	55408	8.380	ug/l	96
69) o-Xylene	12.04	106	26007	4.201	ug/l	99
70) Styrene	12.05	104	43504	4.110	ug/l	99
71) Bromoform	12.22	173	9313	4.155	ug/l #	100
73) Isopropylbenzene	12.34	105	73798	4.232	ug/l	99
74) N-amyl acetate	12.16	43	17267	4.116	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.60	83	10742	3.873	ug/l	98
76) 1,2,3-Trichloropropane	12.64	75	9373m	3.920	ug/l	
77) Bromobenzene	12.62	156	18475	4.241	ug/l	100
78) n-propylbenzene	12.68	91	85582	4.229	ug/l	100
79) 2-Chlorotoluene	12.77	91	48073	4.289	ug/l	100
80) 1,3,5-Trimethylbenzene	12.82	105	59583	4.122	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.39	75	4869	4.083	ug/l	94
82) 4-Chlorotoluene	12.86	91	49608	4.213	ug/l	99
83) tert-Butylbenzene	13.08	119	54482	4.299	ug/l	97
84) 1,2,4-Trimethylbenzene	13.13	105	60943	4.230	ug/l	100
85) sec-Butylbenzene	13.27	105	74818	4.254	ug/l	100
86) p-Isopropyltoluene	13.38	119	69710	4.230	ug/l	100
87) 1,3-Dichlorobenzene	13.38	146	35453	4.299	ug/l	99
88) 1,4-Dichlorobenzene	13.45	146	35510	4.349	ug/l	92
89) n-Butylbenzene	13.70	91	64397	4.293	ug/l	98
90) Hexachloroethane	13.97	117	12405	4.134	ug/l	99
91) 1,2-Dichlorobenzene	13.75	146	32052	4.356	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.37	75	2285	4.420	ug/l	90

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.02	180	23337	4.369	ug/l	98
94) Hexachlorobutadiene	15.13	225	14413	4.495	ug/l	97
95) Naphthalene	15.25	128	42253	4.336	ug/l	99
96) 1,2,3-Trichlorobenzene	15.44	180	19803	4.367	ug/l	98

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

