

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY030420\
 Data File : VY001854.D
 Acq On : 04 Mar 2020 15:28
 Operator : SY/MD
 Sample : L1161-02 5PPBL00
 Misc : 5.00G/5ML/MSVOA Y/SOIL
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 LOQ-SOIL-02-QT1-2020

Manual Integrations
 APPROVED

MMDadoda
 3/5/2020 1:37:27 PM

Quant Time: Mar 05 05:55:29 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y030420S.M
 Quant Title : SW846 8260
 QLast Update : Thu Mar 05 05:44:43 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.80	168	176552	50.00	ug/l	-0.01
34) 1,4-Difluorobenzene	8.70	114	319844	50.00	ug/l	-0.01
63) Chlorobenzene-d5	11.49	117	286344	50.00	ug/l	-0.01
72) 1,4-Dichlorobenzene-d4	13.43	152	130705	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.15	65	103230	54.77	ug/l	-0.02
Spiked Amount	50.000		Recovery	=	109.54%	
35) Dibromofluoromethane	7.73	113	94600	54.17	ug/l	-0.02
Spiked Amount	50.000		Recovery	=	108.34%	
50) Toluene-d8	10.18	98	401168	54.47	ug/l	-0.01
Spiked Amount	50.000		Recovery	=	108.94%	
62) 4-Bromofluorobenzene	12.49	95	137020	53.51	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.02%	

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.90	85	8905	5.464	ug/l 99
3) Chloromethane	2.12	50	11692	5.321	ug/l 100
4) Vinyl Chloride	2.26	62	11343	5.075	ug/l 97
5) Bromomethane	2.66	94	8706	5.871	ug/l 99
6) Chloroethane	2.80	64	7216	5.140	ug/l 95
7) Trichlorofluoromethane	3.13	101	15732	5.190	ug/l 94
8) Diethyl Ether	3.54	74	6034	5.051	ug/l 92
9) 1,1,2-Trichlorotrifluoroet	3.90	101	9980	5.119	ug/l 96
10) Methyl Iodide	4.10	142	9566	4.243	ug/l 98
11) Tert butyl alcohol	4.97	59	4910	21.340	ug/l 99
12) 1,1-Dichloroethene	3.88	96	10111	5.151	ug/l 99
13) Acrolein	3.74	56	7210	27.222	ug/l 98
14) Allyl chloride	4.49	41	17201	4.943	ug/l 96
15) Acrylonitrile	5.18	53	15807	24.762	ug/l 98
16) Acetone	3.96	43	12682	23.101	ug/l 93
17) Carbon Disulfide	4.20	76	31831	4.824	ug/l 96
18) Methyl Acetate	4.49	43	7168	5.082	ug/l 100
19) Methyl tert-butyl Ether	5.22	73	26895	5.056	ug/l 98
20) Methylene Chloride	4.74	84	15318	6.511	ug/l 94
21) trans-1,2-Dichloroethene	5.23	96	11330	5.085	ug/l 96
22) Diisopropyl ether	6.13	45	35797	5.018	ug/l 92
23) Vinyl Acetate	6.07	43	113281	24.224	ug/l 99
24) 1,1-Dichloroethane	6.03	63	18786	4.863	ug/l 97
25) 2-Butanone	7.00	43	19765	23.675	ug/l 98
26) 2,2-Dichloropropane	6.99	77	15355	4.843	ug/l 99
27) cis-1,2-Dichloroethene	7.00	96	12140	5.009	ug/l 98
28) Bromochloromethane	7.35	49	8426	4.839	ug/l 99
29) Tetrahydrofuran	7.36	42	13214	23.836	ug/l 96
30) Chloroform	7.52	83	17690	4.874	ug/l 92
31) Cyclohexane	7.80	56	23694	5.721	ug/l # 76
32) 1,1,1-Trichloroethane	7.71	97	15334	5.013	ug/l 99
36) 1,1-Dichloropropene	7.93	75	14974	4.865	ug/l 99
37) Ethyl Acetate	7.08	43	8600	4.808	ug/l 98
38) Carbon Tetrachloride	7.91	117	12747	4.848	ug/l 91

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.19	83	20104	4.925	ug/l	98
40) Benzene	8.17	78	45911	5.033	ug/l	97
41) Methacrylonitrile	7.33	41	6395m	7.944	ug/l	
42) 1,2-Dichloroethane	8.25	62	12094	5.145	ug/l	96
43) Isopropyl Acetate	8.28	43	16725	4.938	ug/l #	87
44) Trichloroethene	8.95	130	11383	5.123	ug/l	96
45) 1,2-Dichloropropane	9.22	63	11360	4.954	ug/l	96
46) Dibromomethane	9.32	93	5849	4.949	ug/l	97
47) Bromodichloromethane	9.50	83	13400	4.874	ug/l	97
48) Methyl methacrylate	9.30	41	7680	5.110	ug/l	97
49) 1,4-Dioxane	9.31	88	1500	92.629	ug/l #	92
51) 4-Methyl-2-Pentanone	10.08	43	42424	24.319	ug/l	98
52) Toluene	10.25	92	28002	5.053	ug/l	98
53) t-1,3-Dichloropropene	10.47	75	13667	4.563	ug/l	96
54) cis-1,3-Dichloropropene	9.93	75	16823	4.718	ug/l	100
55) 1,1,2-Trichloroethane	10.65	97	8559	4.949	ug/l	98
56) Ethyl methacrylate	10.52	69	12248	4.831	ug/l	92
57) 1,3-Dichloropropane	10.80	76	15293	4.960	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.78	63	21355	21.244	ug/l	99
59) 2-Hexanone	10.84	43	29142	23.405	ug/l	100
60) Dibromochloromethane	10.99	129	8451	4.637	ug/l	100
61) 1,2-Dibromoethane	11.09	107	7701	4.701	ug/l	98
64) Tetrachloroethene	10.72	164	9185	5.115	ug/l	85
65) Chlorobenzene	11.52	112	28387	4.975	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.59	131	8948	4.782	ug/l	98
67) Ethyl Benzene	11.60	91	52519	4.936	ug/l	100
68) m/p-Xylenes	11.71	106	38209	9.713	ug/l	98
69) o-Xylene	12.03	106	18049	4.868	ug/l	98
70) Styrene	12.05	104	30106	4.741	ug/l	99
71) Bromoform	12.21	173	4323	4.260	ug/l #	92
73) Isopropylbenzene	12.33	105	48565	4.867	ug/l	99
74) N-amyl acetate	12.14	43	15180	4.950	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.58	83	10331	4.801	ug/l	98
76) 1,2,3-Trichloropropane	12.63	75	6384m	4.116	ug/l	
77) Bromobenzene	12.61	156	10336	4.889	ug/l	98
78) n-propylbenzene	12.67	91	61358	4.985	ug/l	99
79) 2-Chlorotoluene	12.76	91	33378	4.908	ug/l	99
80) 1,3,5-Trimethylbenzene	12.81	105	40754	4.961	ug/l	97
81) trans-1,4-Dichloro-2-buten	12.38	75	3461	4.508	ug/l	97
82) 4-Chlorotoluene	12.86	91	35665	5.037	ug/l	99
83) tert-Butylbenzene	13.08	119	32824	4.811	ug/l	98
84) 1,2,4-Trimethylbenzene	13.12	105	41293	5.066	ug/l	100
85) sec-Butylbenzene	13.25	105	49367	4.909	ug/l	100
86) p-Isopropyltoluene	13.37	119	44035	5.076	ug/l	99
87) 1,3-Dichlorobenzene	13.37	146	21080	5.089	ug/l	99
88) 1,4-Dichlorobenzene	13.45	146	21551	5.128	ug/l	93
89) n-Butylbenzene	13.70	91	46026	5.114	ug/l	97
90) Hexachloroethane	13.96	117	7455	4.555	ug/l	96
91) 1,2-Dichlorobenzene	13.74	146	18588	4.939	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	14.36	75	1574	4.688	ug/l	90

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.01	180	12377	5.071	ug/l	98
94) Hexachlorobutadiene	15.11	225	6255	5.257	ug/l	97
95) Naphthalene	15.24	128	28031	4.842	ug/l	98
96) 1,2,3-Trichlorobenzene	15.43	180	11314	5.262	ug/l	97

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

