

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY050620\
 Data File : VY002608.D
 Acq On : 06 May 2020 12:25
 Operator : SY/MD
 Sample : L2182-02 5PPBL00
 Misc : 5.00G/5ML/MSVOA Y/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 LOQ-SOIL-02-QT2-2020

Manual Integrations
 APPROVED

MMDadoda
 5/7/2020 10:35:30 AM

Quant Time: May 06 13:04:56 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	7.81	168	365894	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.71	114	546820	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.50	117	487050	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.44	152	255591	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.16	65	155430	50.52	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.04%	
35) Dibromofluoromethane	7.74	113	165915	53.05	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.10%	
50) Toluene-d8	10.19	98	656725	53.77	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.54%	
62) 4-Bromofluorobenzene	12.49	95	220689	53.26	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.52%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.91	85	14403	5.183	ug/l	96
3) Chloromethane	2.13	50	17186	5.797	ug/l	97
4) Vinyl Chloride	2.26	62	19295	5.637	ug/l	97
5) Bromomethane	2.66	94	14177	6.006	ug/l	99
6) Chloroethane	2.81	64	11561	5.656	ug/l	98
7) Trichlorofluoromethane	3.14	101	28924	5.452	ug/l	100
8) Diethyl Ether	3.55	74	9874	5.539	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	3.93	101	18165	5.602	ug/l	99
10) Methyl Iodide	4.11	142	22178	5.021	ug/l	98
11) Tert butyl alcohol	4.98	59	8068	25.490	ug/l #	85
12) 1,1-Dichloroethene	3.90	96	17768	5.641	ug/l	94
13) Acrolein	3.75	56	4362	19.929	ug/l	98
14) Allyl chloride	4.51	41	25793	5.620	ug/l	99
15) Acrylonitrile	5.20	53	22263	26.481	ug/l	98
16) Acetone	3.97	43	16182	25.487	ug/l	94
17) Carbon Disulfide	4.22	76	52962	5.589	ug/l	99
18) Methyl Acetate	4.51	43	13503	6.365	ug/l	97
19) Methyl tert-butyl Ether	5.25	73	43606	5.306	ug/l	97
20) Methylene Chloride	4.74	84	20981	5.909	ug/l	96
21) trans-1,2-Dichloroethene	5.25	96	19915	5.785	ug/l	97
22) Diisopropyl ether	6.15	45	53716	5.785	ug/l	98
23) Vinyl Acetate	6.09	43	146908	25.156	ug/l	99
24) 1,1-Dichloroethane	6.05	63	31402	5.716	ug/l	99
25) 2-Butanone	7.02	43	27105	26.079	ug/l	94
26) 2,2-Dichloropropane	7.00	77	29363	5.623	ug/l	99
27) cis-1,2-Dichloroethene	7.01	96	21668	5.688	ug/l	99
28) Bromochloromethane	7.36	49	11936	5.303	ug/l	99
29) Tetrahydrofuran	7.37	42	18255	26.547	ug/l	99
30) Chloroform	7.53	83	32272	5.650	ug/l	93
31) Cyclohexane	7.81	56	34674	6.271	ug/l #	85
32) 1,1,1-Trichloroethane	7.72	97	29283	5.516	ug/l	99
36) 1,1-Dichloropropene	7.94	75	26522	5.786	ug/l	99
37) Ethyl Acetate	7.10	43	12688	5.386	ug/l	99
38) Carbon Tetrachloride	7.92	117	26767	5.348	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.19	83	33158	5.476	ug/l	97
40) Benzene	8.18	78	75600	5.710	ug/l	99
41) Methacrylonitrile	7.35	41	7355m	5.807	ug/l	
42) 1,2-Dichloroethane	8.25	62	19445	5.236	ug/l	97
43) Isopropyl Acetate	8.29	43	22476	5.090	ug/l	98
44) Trichloroethene	8.96	130	24147	5.836	ug/l	97
45) 1,2-Dichloropropane	9.23	63	17986	5.629	ug/l	99
46) Dibromomethane	9.32	93	9791	5.326	ug/l	99
47) Bromodichloromethane	9.51	83	24293	5.434	ug/l	95
48) Methyl methacrylate	9.31	41	10170	5.089	ug/l	96
49) 1,4-Dioxane	9.31	88	2498	102.621	ug/l #	85
51) 4-Methyl-2-Pentanone	10.08	43	58524	25.711	ug/l	99
52) Toluene	10.25	92	48950	5.753	ug/l	97
53) t-1,3-Dichloropropene	10.48	75	24215	5.170	ug/l	97
54) cis-1,3-Dichloropropene	9.94	75	29509	5.450	ug/l	99
55) 1,1,2-Trichloroethane	10.66	97	14784	5.514	ug/l	96
56) Ethyl methacrylate	10.52	69	18377	5.153	ug/l	99
57) 1,3-Dichloropropane	10.80	76	24761	5.446	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.80	63	48554	25.815	ug/l	99
59) 2-Hexanone	10.84	43	39288	25.077	ug/l	100
60) Dibromochloromethane	10.99	129	17785	5.216	ug/l	99
61) 1,2-Dibromoethane	11.10	107	13997	5.273	ug/l	99
64) Tetrachloroethene	10.73	164	26451	6.112	ug/l	94
65) Chlorobenzene	11.53	112	53157	5.741	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.60	131	18559	5.400	ug/l	96
67) Ethyl Benzene	11.60	91	93713	5.762	ug/l	97
68) m/p-Xylenes	11.71	106	72608	11.538	ug/l	99
69) o-Xylene	12.03	106	33872	5.749	ug/l	99
70) Styrene	12.05	104	55306	5.491	ug/l	100
71) Bromoform	12.22	173	11153	5.228	ug/l #	99
73) Isopropylbenzene	12.34	105	92014	5.555	ug/l	100
74) N-amyl acetate	12.15	43	20664	5.186	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.59	83	13233	5.023	ug/l	99
76) 1,2,3-Trichloropropane	12.64	75	12350m	5.437	ug/l	
77) Bromobenzene	12.62	156	22814	5.513	ug/l	99
78) n-propylbenzene	12.68	91	107575	5.596	ug/l	99
79) 2-Chlorotoluene	12.77	91	60014	5.636	ug/l	100
80) 1,3,5-Trimethylbenzene	12.82	105	74616	5.434	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.39	75	5765	5.089	ug/l	99
82) 4-Chlorotoluene	12.86	91	63077	5.639	ug/l	100
83) tert-Butylbenzene	13.08	119	68475	5.687	ug/l	99
84) 1,2,4-Trimethylbenzene	13.13	105	75191	5.495	ug/l	99
85) sec-Butylbenzene	13.26	105	94060	5.630	ug/l	100
86) p-Isopropyltoluene	13.38	119	87107	5.565	ug/l	99
87) 1,3-Dichlorobenzene	13.38	146	44124	5.633	ug/l	100
88) 1,4-Dichlorobenzene	13.45	146	44834	5.780	ug/l	97
89) n-Butylbenzene	13.70	91	81793	5.740	ug/l	99
90) Hexachloroethane	13.97	117	16056	5.632	ug/l	96
91) 1,2-Dichlorobenzene	13.75	146	38556	5.516	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	14.37	75	2528	5.148	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.02	180	27888	5.496	ug/l	98
94) Hexachlorobutadiene	15.12	225	17443	5.727	ug/l	98
95) Naphthalene	15.25	128	49370	5.333	ug/l	100
96) 1,2,3-Trichlorobenzene	15.44	180	24918	5.785	ug/l	96

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

