

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY101519\
 Data File : VY000317.D
 Acq On : 15 Oct 2019 14:02
 Operator : SY/MD
 Sample : K5111-02 5PPB L00
 Misc : 5.00G/5ML/MSVOA Y/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 LOQ-SOIL-02-QT4-2019

Manual Integrations
 APPROVED

MMDadoda
 10/18/2019 12:40:25 AM

Quant Time: Oct 15 17:54:07 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y101119S.M
 Quant Title : SW846 8260
 QLast Update : Tue Oct 15 17:47:25 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.80	168	307574	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.70	114	508629	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	447352	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	213881	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.16	65	176876	54.52	ug/l	0.00
Spiked Amount	50.000		Recovery	=	109.04%	
35) Dibromofluoromethane	7.74	113	154384	50.32	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.64%	
50) Toluene-d8	10.19	98	611103	51.78	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.56%	
62) 4-Bromofluorobenzene	12.48	95	219728	49.01	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.02%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.90	85	16241	5.922	ug/l	98
3) Chloromethane	2.12	50	20343	5.413	ug/l	98
4) Vinyl Chloride	2.25	62	21488	5.665	ug/l	99
5) Bromomethane	2.65	94	17076	6.074	ug/l	93
6) Chloroethane	2.80	64	14506	5.927	ug/l	97
7) Trichlorofluoromethane	3.13	101	28511	5.495	ug/l	93
8) Diethyl Ether	3.54	74	11147	6.081	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.90	101	18111	5.756	ug/l	95
10) Methyl Iodide	4.09	142	18953	4.614	ug/l	97
11) Tert butyl alcohol	4.98	59	10821	31.870	ug/l #	85
12) 1,1-Dichloroethene	3.88	96	16251	5.231	ug/l	97
13) Acrolein	3.74	56	9341	23.466	ug/l	90
14) Allyl chloride	4.48	41	26514	5.150	ug/l	96
15) Acrylonitrile	5.18	53	29403	28.660	ug/l	98
16) Acetone	3.96	43	26096	24.837	ug/l #	88
17) Carbon Disulfide	4.20	76	52910	5.410	ug/l	97
18) Methyl Acetate	4.49	43	16852	6.455	ug/l	98
19) Methyl tert-butyl Ether	5.23	73	51518	5.957	ug/l	98
20) Methylene Chloride	4.72	84	29936	6.948	ug/l	92
21) trans-1,2-Dichloroethene	5.22	96	19400	5.443	ug/l	95
22) Diisopropyl ether	6.13	45	61491	5.648	ug/l #	95
23) Vinyl Acetate	6.07	43	182693	25.720	ug/l	95
24) 1,1-Dichloroethane	6.04	63	33955	5.713	ug/l	97
25) 2-Butanone	7.01	43	40103	27.095	ug/l	96
26) 2,2-Dichloropropane	6.99	77	34014	6.211	ug/l	96
27) cis-1,2-Dichloroethene	6.99	96	22315	5.786	ug/l	94
28) Bromochloromethane	7.35	49	14673	5.751	ug/l	96
29) Tetrahydrofuran	7.36	42	24451	27.259	ug/l	99
30) Chloroform	7.52	83	34260	5.724	ug/l	95
31) Cyclohexane	7.80	56	38335	6.176	ug/l #	81
32) 1,1,1-Trichloroethane	7.71	97	29960	5.631	ug/l	96
36) 1,1-Dichloropropene	7.92	75	27794	5.581	ug/l	98
37) Ethyl Acetate	7.08	43	18082	6.132	ug/l	98
38) Carbon Tetrachloride	7.91	117	25359	5.259	ug/l	94

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.19	83	36043	5.530	ug/l	90
40) Benzene	8.17	78	78683	5.468	ug/l	97
41) Methacrylonitrile	7.33	41	9962	7.098	ug/l #	54
42) 1,2-Dichloroethane	8.25	62	23197	5.643	ug/l	100
43) Isopropyl Acetate	8.28	43	30340	5.411	ug/l	95
44) Trichloroethene	8.95	130	21281	5.270	ug/l	87
45) 1,2-Dichloropropane	9.22	63	21050	5.960	ug/l #	86
46) Dibromomethane	9.31	93	11134	5.640	ug/l	95
47) Bromodichloromethane	9.50	83	25788	5.543	ug/l	93
48) Methyl methacrylate	9.30	41	14664	5.968	ug/l	92
49) 1,4-Dioxane	9.31	88	2702	91.280	ug/l #	76
51) 4-Methyl-2-Pentanone	10.08	43	83772	28.969	ug/l	96
52) Toluene	10.25	92	49496	5.417	ug/l	99
53) t-1,3-Dichloropropene	10.47	75	26444	5.303	ug/l	100
54) cis-1,3-Dichloropropene	9.94	75	30339	5.358	ug/l	99
55) 1,1,2-Trichloroethane	10.65	97	16121	5.616	ug/l	96
56) Ethyl methacrylate	10.51	69	21325	5.212	ug/l	97
57) 1,3-Dichloropropane	10.79	76	27400	5.558	ug/l	96
58) 2-Chloroethyl Vinyl ether	9.79	63	50993	31.247	ug/l	98
59) 2-Hexanone	10.84	43	54167	26.687	ug/l	97
60) Dibromochloromethane	10.99	129	16852	5.297	ug/l	100
61) 1,2-Dibromoethane	11.09	107	14930	5.417	ug/l	95
64) Tetrachloroethene	10.72	164	23896	5.611	ug/l	97
65) Chlorobenzene	11.52	112	51773	5.484	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.60	131	18387	5.544	ug/l	96
67) Ethyl Benzene	11.60	91	97065	5.546	ug/l	98
68) m/p-Xylenes	11.70	106	71318	10.659	ug/l	94
69) o-Xylene	12.03	106	35900	5.625	ug/l	94
70) Styrene	12.05	104	56745	5.272	ug/l	99
71) Bromoform	12.21	173	9371	4.915	ug/l #	95
73) Isopropylbenzene	12.33	105	90649	5.436	ug/l	99
74) N-amyl acetate	12.14	43	23840	5.823	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.58	83	16415	5.242	ug/l	100
76) 1,2,3-Trichloropropane	12.64	75	11373m	4.324	ug/l	
77) Bromobenzene	12.61	156	21435	5.776	ug/l	94
78) n-propylbenzene	12.67	91	106745	5.331	ug/l	99
79) 2-Chlorotoluene	12.75	91	61383	5.551	ug/l	99
80) 1,3,5-Trimethylbenzene	12.81	105	75142	5.373	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.38	75	6335	5.270	ug/l	97
82) 4-Chlorotoluene	12.86	91	66706	5.707	ug/l	98
83) tert-Butylbenzene	13.08	119	64082	5.411	ug/l	99
84) 1,2,4-Trimethylbenzene	13.12	105	76686	5.556	ug/l	98
85) sec-Butylbenzene	13.25	105	91542	5.344	ug/l	99
86) p-Isopropyltoluene	13.37	119	80820	5.411	ug/l	99
87) 1,3-Dichlorobenzene	13.36	146	40149	5.491	ug/l	98
88) 1,4-Dichlorobenzene	13.45	146	41713	5.708	ug/l	95
89) n-Butylbenzene	13.69	91	78719	5.334	ug/l	99
90) Hexachloroethane	13.96	117	14114	5.103	ug/l	98
91) 1,2-Dichlorobenzene	13.74	146	37853	5.721	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.35	75	3685	6.205	ug/l	78

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.01	180	26006	5.645	ug/l	99
94) Hexachlorobutadiene	15.11	225	13520	5.423	ug/l	99
95) Naphthalene	15.23	128	57656	5.608	ug/l	97
96) 1,2,3-Trichlorobenzene	15.42	180	23472	5.653	ug/l	98

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

