

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY101519\
 Data File : VY000315.D
 Acq On : 15 Oct 2019 13:17
 Operator : SY/MD
 Sample : K5111-01 2.5PPB LOD
 Misc : 5.00G/5ML/MSVOA Y/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 LOD-MDL-SOIL-01-QT4-2019

Manual Integrations
 APPROVED

MMDadoda

Quant Time: Oct 15 17:50:52 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y101119S.M
 Quant Title : SW846 8260
 QLast Update : Mon Oct 14 08:10:23 2019
 Response via : Initial Calibration

10/18/2019 12:40:22 AM

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.80	168	296809	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.70	114	499091	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	442120	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	209200	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.16	65	176663	56.43	ug/l	0.00
Spiked Amount	50.000		Recovery	=	112.86%	
35) Dibromofluoromethane	7.73	113	154301	51.25	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.50%	
50) Toluene-d8	10.19	98	623456	53.84	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.68%	
62) 4-Bromofluorobenzene	12.48	95	220693	50.16	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.32%	

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.90	85	8362	3.160	ug/l 83
3) Chloromethane	2.12	50	10907	3.007	ug/l 94
4) Vinyl Chloride	2.26	62	10554	2.883	ug/l 95
5) Bromomethane	2.66	94	8865	3.268	ug/l 96
6) Chloroethane	2.80	64	7488	3.171	ug/l 95
7) Trichlorofluoromethane	3.13	101	14692	2.934	ug/l 96
8) Diethyl Ether	3.54	74	5643	3.190	ug/l 98
9) 1,1,2-Trichlorotrifluoroet	3.91	101	10371	3.415	ug/l 91
10) Methyl Iodide	4.11	142	8130	2.051	ug/l 93
11) Tert butyl alcohol	4.97	59	6171	18.834	ug/l # 83
12) 1,1-Dichloroethene	3.88	96	8446	2.817	ug/l # 82
13) Acrolein	3.75	56	5068	13.193	ug/l 94
14) Allyl chloride	4.49	41	13905	2.799	ug/l 96
15) Acrylonitrile	5.18	53	13738	13.876	ug/l 90
16) Acetone	3.96	43	14933	14.728	ug/l 97
17) Carbon Disulfide	4.21	76	26746	2.834	ug/l 97
18) Methyl Acetate	4.49	43	8921	3.541	ug/l # 76
19) Methyl tert-butyl Ether	5.24	73	24655	2.954	ug/l 95
20) Methylene Chloride	4.73	84	18631	4.481	ug/l 95
21) trans-1,2-Dichloroethene	5.22	96	9809	2.852	ug/l # 93
22) Diisopropyl ether	6.14	45	30668	2.919	ug/l 94
23) Vinyl Acetate	6.07	43	89360	13.037	ug/l 98
24) 1,1-Dichloroethane	6.03	63	16711	2.914	ug/l # 95
25) 2-Butanone	7.02	43	21217	14.855	ug/l 99
26) 2,2-Dichloropropane	7.00	77	16734	3.167	ug/l 89
27) cis-1,2-Dichloroethene	7.00	96	10591	2.846	ug/l 91
28) Bromochloromethane	7.35	49	7505	3.048	ug/l # 97
29) Tetrahydrofuran	7.36	42	13005	15.024	ug/l 96
30) Chloroform	7.52	83	17620	3.051	ug/l 100
31) Cyclohexane	7.80	56	23027	3.844	ug/l # 57
32) 1,1,1-Trichloroethane	7.72	97	14406	2.806	ug/l 97
36) 1,1-Dichloropropene	7.93	75	14684	3.005	ug/l 93
37) Ethyl Acetate	7.09	43	10743	3.713	ug/l # 94
38) Carbon Tetrachloride	7.91	117	13261	2.803	ug/l # 83

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39) Methylcyclohexane	9.19	83	18294	2.861	ug/l	100
40) Benzene	8.17	78	38696	2.740	ug/l	95
41) Methacrylonitrile	7.33	41	3852	2.797	ug/l #	45
42) 1,2-Dichloroethane	8.25	62	11403	2.827	ug/l	96
43) Isopropyl Acetate	8.28	43	15252	2.772	ug/l	94
44) Trichloroethene	8.95	130	10413	2.628	ug/l	80
45) 1,2-Dichloropropane	9.23	63	10293	2.970	ug/l	94
46) Dibromomethane	9.32	93	5396	2.785	ug/l	96
47) Bromodichloromethane	9.50	83	12280	2.690	ug/l	97
48) Methyl methacrylate	9.30	41	7451	3.090	ug/l	91
49) 1,4-Dioxane	9.30	88	1762	60.662	ug/l #	84
51) 4-Methyl-2-Pentanone	10.08	43	41132	14.496	ug/l	98
52) Toluene	10.25	92	25408	2.834	ug/l	100
53) t-1,3-Dichloropropene	10.47	75	13580	2.776	ug/l #	88
54) cis-1,3-Dichloropropene	9.93	75	14818	2.667	ug/l	93
55) 1,1,2-Trichloroethane	10.64	97	7605	2.700	ug/l #	91
56) Ethyl methacrylate	10.52	69	10672	2.658	ug/l	98
57) 1,3-Dichloropropane	10.79	76	13192	2.727	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.79	63	27602	17.237	ug/l	94
59) 2-Hexanone	10.84	43	28033	14.075	ug/l	99
60) Dibromochloromethane	10.99	129	8386	2.686	ug/l	95
61) 1,2-Dibromoethane	11.09	107	7094	2.623	ug/l	90
64) Tetrachloroethene	10.72	164	11976	2.845	ug/l	90
65) Chlorobenzene	11.52	112	25446	2.727	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.59	131	8307	2.534	ug/l	91
67) Ethyl Benzene	11.60	91	49124	2.840	ug/l	97
68) m/p-Xylenes	11.70	106	36176	5.471	ug/l	98
69) o-Xylene	12.03	106	16169	2.563	ug/l	92
70) Styrene	12.05	104	27221	2.559	ug/l	98
71) Bromoform	12.20	173	4714	2.502	ug/l #	94
73) Isopropylbenzene	12.33	105	45091	2.764	ug/l	99
74) N-amyl acetate	12.14	43	12288	3.068	ug/l	95
75) 1,1,2,2-Tetrachloroethane	12.58	83	8524	2.783	ug/l	97
76) 1,2,3-Trichloropropane	12.63	75	6821m	2.652	ug/l	
77) Bromobenzene	12.61	156	10945	3.015	ug/l	94
78) n-propylbenzene	12.67	91	54685	2.792	ug/l	98
79) 2-Chlorotoluene	12.75	91	31924	2.952	ug/l	97
80) 1,3,5-Trimethylbenzene	12.81	105	38692	2.829	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.38	75	3025m	2.573	ug/l	
82) 4-Chlorotoluene	12.85	91	32655	2.856	ug/l	99
83) tert-Butylbenzene	13.08	119	32514	2.807	ug/l	98
84) 1,2,4-Trimethylbenzene	13.12	105	37635	2.788	ug/l	98
85) sec-Butylbenzene	13.25	105	46426	2.771	ug/l	96
86) p-Isopropyltoluene	13.37	119	42481	2.908	ug/l	97
87) 1,3-Dichlorobenzene	13.37	146	21729	3.038	ug/l	96
88) 1,4-Dichlorobenzene	13.45	146	21572	3.018	ug/l	93
89) n-Butylbenzene	13.70	91	41577	2.880	ug/l	98
90) Hexachloroethane	13.95	117	8042	2.973	ug/l	94
91) 1,2-Dichlorobenzene	13.74	146	19503	3.013	ug/l	96
92) 1,2-Dibromo-3-Chloropropan	14.36	75	2061	3.548	ug/l	71

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.00	180	14213	3.154	ug/l	97
94) Hexachlorobutadiene	15.11	225	7393	3.032	ug/l	99
95) Naphthalene	15.23	128	37355	3.715	ug/l	97
96) 1,2,3-Trichlorobenzene	15.42	180	13057	3.215	ug/l	99

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

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