

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY101519\
 Data File : VY000316.D
 Acq On : 15 Oct 2019 13:39
 Operator : SY/MD
 Sample : K5111-01 4PPB LOD
 Misc : 5.00G/5ML/MSVOA Y/SOIL
 ALS Vial : 7 Sample Multiplier: 1

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

Manual Integrations
 APPROVED

MMDadoda
 10/18/2019 12:40:24 AM

Quant Time: Oct 15 17:52:31 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	303905	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.70	114	511951	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	444382	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	210512	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.15	65	178699	55.74	ug/l	0.00
Spiked Amount			Recovery	=	111.48%	
35) Dibromofluoromethane	7.73	113	157621	51.04	ug/l	0.00
Spiked Amount			Recovery	=	102.08%	
50) Toluene-d8	10.18	98	634640	53.42	ug/l	0.00
Spiked Amount			Recovery	=	106.84%	
62) 4-Bromofluorobenzene	12.48	95	224993	49.85	ug/l	0.00
Spiked Amount			Recovery	=	99.70%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.90	85	12836	4.737	ug/l	100
3) Chloromethane	2.12	50	16446	4.429	ug/l	98
4) Vinyl Chloride	2.25	62	16724	4.462	ug/l	97
5) Bromomethane	2.65	94	13558	4.881	ug/l	100
6) Chloroethane	2.80	64	11564	4.782	ug/l	91
7) Trichlorofluoromethane	3.13	101	22960	4.479	ug/l	93
8) Diethyl Ether	3.54	74	8132	4.490	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	3.91	101	13930	4.480	ug/l	98
10) Methyl Iodide	4.10	142	14371	3.541	ug/l	95
11) Tert butyl alcohol	4.97	59	9113	27.164	ug/l #	90
12) 1,1-Dichloroethene	3.88	96	13299	4.333	ug/l	92
13) Acrolein	3.74	56	7885	20.047	ug/l	98
14) Allyl chloride	4.49	41	21773	4.281	ug/l	98
15) Acrylonitrile	5.18	53	21725	21.431	ug/l	97
16) Acetone	3.96	43	21877	21.073	ug/l	94
17) Carbon Disulfide	4.20	76	42360	4.383	ug/l #	93
18) Methyl Acetate	4.49	43	13556	5.255	ug/l	93
19) Methyl tert-butyl Ether	5.23	73	37496	4.388	ug/l	95
20) Methylene Chloride	4.72	84	26847	6.306	ug/l #	96
21) trans-1,2-Dichloroethene	5.24	96	15704	4.459	ug/l	88
22) Diisopropyl ether	6.13	45	48756	4.532	ug/l #	94
23) Vinyl Acetate	6.08	43	141955	20.226	ug/l	96
24) 1,1-Dichloroethane	6.02	63	26067	4.439	ug/l	96
25) 2-Butanone	7.00	43	30956	21.168	ug/l #	89
26) 2,2-Dichloropropane	7.00	77	25268	4.670	ug/l	94
27) cis-1,2-Dichloroethene	7.00	96	17504	4.594	ug/l	97
28) Bromochloromethane	7.35	49	13046	5.175	ug/l #	97
29) Tetrahydrofuran	7.36	42	18440	20.806	ug/l	99
30) Chloroform	7.52	83	27851	4.710	ug/l	95
31) Cyclohexane	7.80	56	32458	5.292	ug/l #	82
32) 1,1,1-Trichloroethane	7.71	97	22686	4.315	ug/l	96
36) 1,1-Dichloropropene	7.93	75	19622	3.915	ug/l	96
37) Ethyl Acetate	7.09	43	13929	4.693	ug/l #	95
38) Carbon Tetrachloride	7.91	117	19949	4.111	ug/l	89

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39) Methylcyclohexane	9.19	83	28820	4.393	ug/l	88
40) Benzene	8.18	78	62474	4.313	ug/l	93
41) Methacrylonitrile	7.32	41	7218	5.109	ug/l #	32
42) 1,2-Dichloroethane	8.24	62	18558	4.485	ug/l	96
43) Isopropyl Acetate	8.28	43	23885	4.233	ug/l	97
44) Trichloroethene	8.94	130	17299	4.256	ug/l	97
45) 1,2-Dichloropropane	9.22	63	15898	4.472	ug/l	96
46) Dibromomethane	9.31	93	8611	4.333	ug/l	99
47) Bromodichloromethane	9.50	83	19732	4.213	ug/l	90
48) Methyl methacrylate	9.30	41	9504	3.843	ug/l	95
49) 1,4-Dioxane	9.30	88	2801	94.010	ug/l #	89
51) 4-Methyl-2-Pentanone	10.08	43	63524	21.825	ug/l	96
52) Toluene	10.25	92	39998	4.349	ug/l	96
53) t-1,3-Dichloropropene	10.47	75	21011	4.186	ug/l	97
54) cis-1,3-Dichloropropene	9.93	75	23758	4.168	ug/l	96
55) 1,1,2-Trichloroethane	10.64	97	11657	4.035	ug/l	94
56) Ethyl methacrylate	10.51	69	16308	3.960	ug/l	97
57) 1,3-Dichloropropane	10.79	76	22065	4.447	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.79	63	43197	26.298	ug/l	99
59) 2-Hexanone	10.83	43	43706	21.393	ug/l	92
60) Dibromochloromethane	10.99	129	13182	4.116	ug/l	99
61) 1,2-Dibromoethane	11.09	107	11396	4.108	ug/l	99
64) Tetrachloroethene	10.72	164	19365	4.577	ug/l	90
65) Chlorobenzene	11.52	112	40827	4.353	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.59	131	13985	4.245	ug/l	95
67) Ethyl Benzene	11.60	91	73960	4.254	ug/l	97
68) m/p-Xylenes	11.70	106	55054	8.284	ug/l	94
69) o-Xylene	12.03	106	26494	4.179	ug/l	98
70) Styrene	12.05	104	42821	4.005	ug/l	97
71) Bromoform	12.21	173	7812	4.125	ug/l #	94
73) Isopropylbenzene	12.33	105	70183	4.276	ug/l	100
74) N-amyl acetate	12.14	43	18198	4.516	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.58	83	13273	4.307	ug/l	93
76) 1,2,3-Trichloropropane	12.64	75	10855m	4.193	ug/l	
77) Bromobenzene	12.61	156	16615	4.549	ug/l	93
78) n-propylbenzene	12.67	91	84301	4.278	ug/l	100
79) 2-Chlorotoluene	12.75	91	47861	4.397	ug/l	98
80) 1,3,5-Trimethylbenzene	12.81	105	59002	4.287	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.38	75	4927	4.164	ug/l	96
82) 4-Chlorotoluene	12.85	91	50104	4.355	ug/l	96
83) tert-Butylbenzene	13.07	119	50770	4.356	ug/l	98
84) 1,2,4-Trimethylbenzene	13.12	105	57584	4.239	ug/l	100
85) sec-Butylbenzene	13.25	105	71173	4.221	ug/l	98
86) p-Isopropyltoluene	13.37	119	63293	4.306	ug/l	99
87) 1,3-Dichlorobenzene	13.36	146	31826	4.422	ug/l	99
88) 1,4-Dichlorobenzene	13.44	146	31219	4.340	ug/l	95
89) n-Butylbenzene	13.69	91	62039	4.271	ug/l	99
90) Hexachloroethane	13.96	117	11402	4.189	ug/l	98
91) 1,2-Dichlorobenzene	13.74	146	29345	4.506	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.35	75	2368	4.051	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.00	180	20259	4.468	ug/l	97
94) Hexachlorobutadiene	15.11	225	10546	4.298	ug/l	94
95) Naphthalene	15.23	128	49194	4.861	ug/l	100
96) 1,2,3-Trichlorobenzene	15.42	180	18905	4.626	ug/l	99

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

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