

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY101619\
 Data File : VY000326.D
 Acq On : 16 Oct 2019 13:48
 Operator : SY/MD
 Sample : K5111-03 4PPBMDL
 Misc : 5.00G/5ML/MSVOA Y/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 MDL-MDL-SOIL-03-QT4-2019DL

Manual Integrations
 APPROVED

MMDadoda
 10/18/2019 12:50:40 AM

Quant Time: Oct 17 02:03:33 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y101119S.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 17 01:56:06 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.80	168	291826	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.70	114	492846	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	431928	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	206241	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.15	65	169387	55.03	ug/l	0.00
Spiked Amount	50.000		Recovery	=	110.06%	
35) Dibromofluoromethane	7.73	113	151595	50.99	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.98%	
50) Toluene-d8	10.19	98	606207	53.01	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.02%	
62) 4-Bromofluorobenzene	12.48	95	213927	49.24	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.48%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.90	85	12624	4.852	ug/l	94
3) Chloromethane	2.11	50	18227	5.111	ug/l	93
4) Vinyl Chloride	2.25	62	16228	4.509	ug/l	98
5) Bromomethane	2.65	94	13367	5.012	ug/l	96
6) Chloroethane	2.80	64	10867	4.680	ug/l	94
7) Trichlorofluoromethane	3.13	101	23042	4.681	ug/l	89
8) Diethyl Ether	3.53	74	8415	4.839	ug/l	89
9) 1,1,2-Trichlorotrifluoroet	3.91	101	13578	4.548	ug/l	97
10) Methyl Iodide	4.09	142	14056	3.607	ug/l	98
11) Tert butyl alcohol	4.97	59	7960	24.709	ug/l	98
12) 1,1-Dichloroethene	3.87	96	13676	4.640	ug/l	85
13) Acrolein	3.73	56	7070	18.719	ug/l	100
14) Allyl chloride	4.48	41	22451m	4.597	ug/l	
15) Acrylonitrile	5.17	53	21664	22.256	ug/l	98
16) Acetone	3.95	43	19262	19.322	ug/l	91
17) Carbon Disulfide	4.19	76	40083	4.319	ug/l	98
18) Methyl Acetate	4.49	43	13056	5.271	ug/l	98
19) Methyl tert-butyl Ether	5.23	73	37161	4.529	ug/l	95
20) Methylene Chloride	4.72	84	20511	5.017	ug/l	91
21) trans-1,2-Dichloroethene	5.24	96	15146	4.479	ug/l	93
22) Diisopropyl ether	6.13	45	47042	4.554	ug/l	97
23) Vinyl Acetate	6.08	43	139965	20.768	ug/l	99
24) 1,1-Dichloroethane	6.03	63	25633	4.546	ug/l	96
25) 2-Butanone	7.00	43	30848	21.967	ug/l	95
26) 2,2-Dichloropropane	6.99	77	26713	5.141	ug/l	94
27) cis-1,2-Dichloroethene	7.00	96	16328	4.462	ug/l	87
28) Bromochloromethane	7.34	49	11182	4.619	ug/l	99
29) Tetrahydrofuran	7.36	42	18644	21.907	ug/l	97
30) Chloroform	7.52	83	26970	4.749	ug/l	98
31) Cyclohexane	7.80	56	30764	5.224	ug/l #	74
32) 1,1,1-Trichloroethane	7.72	97	23705	4.695	ug/l	98
36) 1,1-Dichloropropene	7.93	75	21338	4.422	ug/l	98
37) Ethyl Acetate	7.10	43	12426	4.349	ug/l #	91
38) Carbon Tetrachloride	7.91	117	19424	4.158	ug/l	86

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.19	83	27394	4.338	ug/l	95
40) Benzene	8.17	78	59859	4.293	ug/l	94
41) Methacrylonitrile	7.33	41	7560	5.559	ug/l #	34
42) 1,2-Dichloroethane	8.24	62	18088	4.541	ug/l	99
43) Isopropyl Acetate	8.28	43	23409	4.309	ug/l	97
44) Trichloroethene	8.95	130	17072	4.363	ug/l	89
45) 1,2-Dichloropropane	9.23	63	15094	4.411	ug/l	96
46) Dibromomethane	9.32	93	8381	4.381	ug/l	96
47) Bromodichloromethane	9.50	83	18908	4.194	ug/l	99
48) Methyl methacrylate	9.30	41	9548	4.010	ug/l	95
49) 1,4-Dioxane	9.30	88	2549	88.869	ug/l #	79
51) 4-Methyl-2-Pentanone	10.08	43	60176	21.476	ug/l	98
52) Toluene	10.25	92	38457	4.344	ug/l	95
53) t-1,3-Dichloropropene	10.47	75	21361	4.421	ug/l	92
54) cis-1,3-Dichloropropene	9.94	75	23608	4.303	ug/l	91
55) 1,1,2-Trichloroethane	10.65	97	11619	4.177	ug/l #	87
56) Ethyl methacrylate	10.52	69	17068	4.305	ug/l	98
57) 1,3-Dichloropropane	10.80	76	20419	4.275	ug/l	97
58) 2-Chloroethyl Vinyl ether	9.79	63	43919	27.774	ug/l	99
59) 2-Hexanone	10.83	43	43617	22.177	ug/l	97
60) Dibromochloromethane	10.99	129	13314	4.319	ug/l	90
61) 1,2-Dibromoethane	11.10	107	11402	4.269	ug/l	99
64) Tetrachloroethene	10.72	164	17416	4.235	ug/l	92
65) Chlorobenzene	11.52	112	41383	4.540	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.60	131	13701	4.279	ug/l	95
67) Ethyl Benzene	11.60	91	71364	4.223	ug/l	100
68) m/p-Xylenes	11.70	106	55047	8.521	ug/l	98
69) o-Xylene	12.03	106	26219	4.255	ug/l	98
70) Styrene	12.05	104	43622	4.197	ug/l	99
71) Bromoform	12.20	173	7262	3.945	ug/l #	93
73) Isopropylbenzene	12.33	105	69041	4.293	ug/l	99
74) N-amyl acetate	12.14	43	18691	4.734	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.58	83	12886	4.268	ug/l	99
76) 1,2,3-Trichloropropane	12.64	75	9535m	3.760	ug/l	
77) Bromobenzene	12.61	156	15898	4.443	ug/l	95
78) n-propylbenzene	12.67	91	84675	4.385	ug/l	98
79) 2-Chlorotoluene	12.75	91	48256	4.526	ug/l	98
80) 1,3,5-Trimethylbenzene	12.81	105	58115	4.310	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.38	75	4849	4.183	ug/l	93
82) 4-Chlorotoluene	12.86	91	49572	4.398	ug/l	99
83) tert-Butylbenzene	13.08	119	50383	4.412	ug/l	99
84) 1,2,4-Trimethylbenzene	13.12	105	57622	4.330	ug/l	96
85) sec-Butylbenzene	13.25	105	70858	4.289	ug/l	99
86) p-Isopropyltoluene	13.37	119	61795	4.291	ug/l	98
87) 1,3-Dichlorobenzene	13.36	146	31095	4.410	ug/l	99
88) 1,4-Dichlorobenzene	13.44	146	32284	4.581	ug/l	94
89) n-Butylbenzene	13.70	91	59996	4.216	ug/l	99
90) Hexachloroethane	13.96	117	11669	4.376	ug/l	97
91) 1,2-Dichlorobenzene	13.74	146	29724	4.658	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.36	75	2840	4.959	ug/l	86

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.00	180	19945	4.490	ug/l	99
94) Hexachlorobutadiene	15.11	225	10431	4.339	ug/l	97
95) Naphthalene	15.23	128	45884	4.628	ug/l	97
96) 1,2,3-Trichlorobenzene	15.42	180	17754	4.434	ug/l	96

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

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