

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\WV122820\
 Data File : VW017765.D
 Acq On : 28 Dec 2020 16:06
 Operator : SY/VA
 Sample : L5214-03
 Misc : 5.00G/10ML/MSVOA W/SOIL
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 MDL-SOIL-QT1-2020-01

Manual Integrations
 APPROVED

MMDadoda
 12/30/2020 2:01:46 PM

Quant Time: Dec 29 13:21:45 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SFAMWLM122820SMA.M
 Quant Title : SFAM01.0
 QLast Update : Tue Dec 29 04:12:02 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.84	114	335780	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	310218	25.00	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.56	152	159072	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.36	65	123255	24.44	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	97.76%
7) Chloroethane-d5	2.89	69	110766	25.27	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	101.08%
11) 1,1-Dichloroethene-d2	4.02	63	167595	18.21	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	72.84%
21) 2-Butanone-d5	7.07	46	64004	55.38	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	110.76%
24) Chloroform-d	7.65	84	228168	24.59	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	98.36%
26) 1,2-Dichloroethane-d4	8.31	65	138964	26.77	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	107.08%
32) Benzene-d6	8.27	84	452756	25.75	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	103.00%
36) 1,2-Dichloropropane-d6	9.27	67	132434	26.18	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	104.72%
41) Toluene-d8	10.32	98	432461	25.65	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	102.60%
43) trans-1,3-Dichloropropene-	10.57	79	60892	24.72	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	98.88%
47) 2-Hexanone-d5	10.92	63	46118	56.52	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	113.04%
56) 1,1,2,2-Tetrachloroethane-	12.69	84	118009	26.55	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	106.20%
66) 1,2-Dichlorobenzene-d4	13.85	152	144059	25.88	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	103.52%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	2.01	85	5346m	1.375	ug/L	
3) Chloromethane	2.21	50	4827	1.430	ug/L	92
5) Vinyl chloride	2.36	62	7283	1.293	ug/L #	27
6) Bromomethane	2.78	94	6597	1.386	ug/L	93
8) Chloroethane	2.92	64	4990	1.343	ug/L #	82
9) Trichlorofluoromethane	3.26	101	3703	0.918	ug/L	99
10) 1,1,2-Trichloro-1,2,2-trif	4.06	101	7229m	1.646	ug/L	
12) 1,1-Dichloroethene	4.04	96	6185m	1.477	ug/L	
13) Acetone	4.13	43	2748m	3.146	ug/L	
14) Carbon disulfide	4.39	76	14596	1.125	ug/L #	94
15) Methyl Acetate	4.68	43	3144m	1.606	ug/L	
16) Methylene chloride	4.91	84	12070m	2.284	ug/L	
17) trans-1,2-Dichloroethene	5.43	96	5859	1.246	ug/L	85
18) Methyl tert-butyl Ether	5.42	73	7254m	1.185	ug/L	
19) 1,1-Dichloroethane	6.21	63	9560	1.163	ug/L #	88
20) cis-1,2-Dichloroethene	7.17	96	6045	1.200	ug/L	93
22) 2-Butanone	7.18	43	4344m	3.326	ug/L	

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	7.51	128	2722	1.197	ug/L	86
25) Chloroform	7.68	83	11466	1.319	ug/L	92
27) 1,2-Dichloroethane	8.40	62	8274	1.367	ug/L	95
29) Cyclohexane	7.96	56	8803	1.168	ug/L #	90
30) 1,1,1-Trichloroethane	7.87	97	8513	1.168	ug/L	98
31) Carbon tetrachloride	8.07	117	7621	1.097	ug/L	94
33) Benzene	8.32	78	21701	1.169	ug/L	100
34) Trichloroethene	9.09	95	6520	1.296	ug/L #	76
35) Methylcyclohexane	9.34	83	10020	1.164	ug/L	93
37) 1,2-Dichloropropane	9.37	63	5508	1.224	ug/L #	94
38) Bromodichloromethane	9.65	83	7364	1.160	ug/L	97
39) cis-1,3-Dichloropropene	10.07	75	8489	1.148	ug/L	94
40) 4-Methyl-2-pentanone	10.21	43	7796	2.861	ug/L	95
42) Toluene	10.39	91	24676	1.180	ug/L	99
44) trans-1,3-Dichloropropene	10.61	75	11346	1.708	ug/L	99
45) 1,1,2-Trichloroethane	10.79	97	4620	1.281	ug/L	92
46) Tetrachloroethene	10.86	164	4727	1.216	ug/L	92
48) 2-Hexanone	10.97	43	6930	3.717	ug/L #	93
49) Dibromochloromethane	11.13	129	4861	1.130	ug/L	99
50) 1,2-Dibromoethane	11.23	107	4341	1.237	ug/L #	98
51) Chlorobenzene	11.66	112	15866	1.199	ug/L	93
52) Ethylbenzene	11.73	91	28132	1.190	ug/L	90
53) m,p-Xylene	11.84	106	10721	1.175	ug/L	96
54) o-Xylene	12.16	106	9908	1.138	ug/L	96
55) Styrene	12.18	104	15364	1.031	ug/L	98
57) 1,1,2,2-Tetrachloroethane	12.71	83	6193	1.429	ug/L	98
59) Bromoform	12.35	173	2373	1.032	ug/L	100
60) Isopropylbenzene	12.46	105	26552	1.147	ug/L	98
61) 1,2,3-Trichloropropane	12.77	75	4306	1.345	ug/L #	86
62) 1,3,5-Trimethylbenzene	12.94	105	21070	1.112	ug/L	99
63) 1,2,4-Trimethylbenzene	13.25	105	22068	1.157	ug/L	94
64) 1,3-Dichlorobenzene	13.50	146	11861	1.182	ug/L	87
65) 1,4-Dichlorobenzene	13.58	146	12823	1.280	ug/L	97
67) 1,2-Dichlorobenzene	13.87	146	11920	1.300	ug/L #	90
68) 1,2-Dibromo-3-chloropropan	14.48	75	1129	1.545	ug/L #	54
69) 1,3,5-Trichlorobenzene	14.62	180	7857	1.157	ug/L	96
70) 1,2,4-trichlorobenzene	15.13	180	8264	1.406	ug/L	93
71) Naphthalene	15.36	128	16300	1.290	ug/L	98
72) 1,2,3-Trichlorobenzene	15.55	180	7072	1.358	ug/L	98

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

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