

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW123020\
 Data File : VW017782.D
 Acq On : 30 Dec 2020 16:12
 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-QT1-2021-01

Manual Integrations
 APPROVED

MMDadoda
 1/4/2021 2:08:32 PM

Quant Time: Jan 02 13:12:48 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SFAMWLM123020SMA.M
 Quant Title : SFAM01.0
 QLast Update : Thu Dec 31 06:01:18 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.84	114	299752	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	276176	25.00	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.56	152	138633	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.36	65	127918	25.11	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	100.44%
7) Chloroethane-d5	2.89	69	108774	24.56	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	98.24%
11) 1,1-Dichloroethene-d2	4.02	63	167394	19.52	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	78.08%
21) 2-Butanone-d5	7.07	46	63990	49.72	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	99.44%
24) Chloroform-d	7.65	84	208997	24.59	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	98.36%
26) 1,2-Dichloroethane-d4	8.31	65	127340	25.85	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	103.40%
32) Benzene-d6	8.27	84	416675	26.04	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	104.16%
36) 1,2-Dichloropropane-d6	9.27	67	118349	25.85	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	103.40%
41) Toluene-d8	10.32	98	386390	25.17	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	100.68%
43) trans-1,3-Dichloropropene-	10.57	79	53461	24.55	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	98.20%
47) 2-Hexanone-d5	10.93	63	45007	52.62	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	105.24%
56) 1,1,2,2-Tetrachloroethane-	12.69	84	111228	25.10	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	100.40%
66) 1,2-Dichlorobenzene-d4	13.85	152	131242	25.52	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	102.08%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	2.01	85	3541	0.980	ug/L	# 84
3) Chloromethane	2.21	50	3467	1.103	ug/L	98
5) Vinyl chloride	2.36	62	5395m	1.041	ug/L	
6) Bromomethane	2.78	94	4091	0.892	ug/L	98
8) Chloroethane	2.93	64	3339	0.975	ug/L	90
9) Trichlorofluoromethane	3.25	101	2729m	0.775	ug/L	
10) 1,1,2-Trichloro-1,2,2-trif	4.05	101	4590m	1.137	ug/L	
12) 1,1-Dichloroethene	4.04	96	4567m	1.193	ug/L	
13) Acetone	4.12	43	1952m	2.234	ug/L	
14) Carbon disulfide	4.39	76	9286	0.846	ug/L	96
15) Methyl Acetate	4.67	43	1904m	1.009	ug/L	
16) Methylene chloride	4.92	84	11256	2.329	ug/L	94
17) trans-1,2-Dichloroethene	5.43	96	3620m	0.882	ug/L	
18) Methyl tert-butyl Ether	5.42	73	5255m	1.005	ug/L	
19) 1,1-Dichloroethane	6.21	63	6657	0.916	ug/L	92
20) cis-1,2-Dichloroethene	7.17	96	4293	0.978	ug/L	89
22) 2-Butanone	7.17	43	4791m	3.300	ug/L	

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

23) Bromochloromethane	7.52	128	1938	0.964	ug/L	79
25) Chloroform	7.68	83	8152	1.057	ug/L	100
27) 1,2-Dichloroethane	8.40	62	5625	1.021	ug/L #	95
29) Cyclohexane	7.95	56	5919m	0.913	ug/L	
30) 1,1,1-Trichloroethane	7.87	97	5632	0.887	ug/L	97
31) Carbon tetrachloride	8.07	117	5313	0.891	ug/L	98
33) Benzene	8.32	78	14618	0.906	ug/L	100
34) Trichloroethene	9.09	95	4125	0.937	ug/L	94
35) Methylcyclohexane	9.33	83	6340	0.841	ug/L	96
37) 1,2-Dichloropropane	9.37	63	3814	0.977	ug/L	97
38) Bromodichloromethane	9.65	83	5524	1.002	ug/L #	90
39) cis-1,3-Dichloropropene	10.07	75	5575	0.895	ug/L	90
42) Toluene	10.39	91	17425	0.954	ug/L	99
44) trans-1,3-Dichloropropene	10.60	75	6222	1.095	ug/L	94
45) 1,1,2-Trichloroethane	10.79	97	3249	0.992	ug/L	97
46) Tetrachloroethene	10.87	164	3201	0.948	ug/L	84
48) 2-Hexanone	10.97	43	5056	2.605	ug/L	94
49) Dibromochloromethane	11.13	129	3379	0.899	ug/L	96
50) 1,2-Dibromoethane	11.23	107	3161	0.976	ug/L #	98
51) Chlorobenzene	11.66	112	11124	0.960	ug/L	96
52) Ethylbenzene	11.73	91	18864	0.904	ug/L	97
53) m,p-Xylene	11.84	106	6992	0.866	ug/L	91
54) o-Xylene	12.16	106	6685	0.878	ug/L	91
55) Styrene	12.18	104	10308	0.791	ug/L	89
57) 1,1,2,2-Tetrachloroethane	12.71	83	4631	1.087	ug/L #	92
59) Bromoform	12.35	173	1462	0.705	ug/L #	89
60) Isopropylbenzene	12.46	105	17733	0.876	ug/L	97
61) 1,2,3-Trichloropropane	12.77	75	3206	1.053	ug/L #	89
62) 1,3,5-Trimethylbenzene	12.94	105	14242	0.885	ug/L	97
63) 1,2,4-Trimethylbenzene	13.25	105	13956	0.852	ug/L	100
64) 1,3-Dichlorobenzene	13.50	146	8050	0.922	ug/L	98
65) 1,4-Dichlorobenzene	13.58	146	8808	1.015	ug/L	97
67) 1,2-Dichlorobenzene	13.87	146	7999	1.020	ug/L	96
69) 1,3,5-Trichlorobenzene	14.63	180	6201	1.049	ug/L	96
70) 1,2,4-trichlorobenzene	15.13	180	5330	1.042	ug/L	97
71) Naphthalene	15.36	128	11017	0.934	ug/L	98
72) 1,2,3-Trichlorobenzene	15.55	180	5113	1.137	ug/L	91

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

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