

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW022322\
 Data File : VW022116.D
 Acq On : 23 Feb 2022 18:13
 Operator : SY/VA
 Sample : N1331-04
 Misc : 5.00g/10mL/MSVOA_W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 MDL-SOIL-QT1-2022-02

Quant Time: Feb 24 04:22:39 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM022322SMA.M
 Quant Title : SFAM01.0
 QLast Update : Thu Feb 24 03:35:08 2022
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : Semsettin Yesilyurt 02/24/2022
 Supervised By : Mahesh Dadoda 02/28/2022

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) 1,4-Difluorobenzene	8.842	114	177848	25.000	ug/L	0.00
28) Chlorobenzene-d5	11.628	117	166201	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.554	152	80954	25.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	2.349	65	56534	24.371	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	97.480%
7) Chloroethane-d5	2.879	69	39637	21.717	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	86.880%
11) 1,1-Dichloroethene-d2	4.013	63	61180	17.223	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	68.880%
21) 2-Butanone-d5	7.080	46	16925	43.395	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	86.800%
24) Chloroform-d	7.653	84	90451	22.795	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	91.160%
26) 1,2-Dichloroethane-d4	8.305	65	48141	23.340	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	93.360%
32) Benzene-d6	8.275	84	181168	23.422	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	93.680%
36) 1,2-Dichloropropane-d6	9.274	67	49869	23.216	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	92.880%
41) Toluene-d8	10.323	98	176318	22.928	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	91.720%
43) trans-1,3-Dichloroprop...	10.579	79	20954	22.000	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	88.000%
47) 2-Hexanone-d5	10.920	63	14201	40.195	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	80.400%
56) 1,1,2,2-Tetrachloroeth...	12.688	84	40109	21.276	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	85.120%
66) 1,2-Dichlorobenzene-d4	13.853	152	61281	23.568	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	94.280%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.001	85	475	0.956	ug/L	95
3) Chloromethane	2.209	50	2248	1.320	ug/L	94
5) Vinyl chloride	2.355	62	3386	1.323	ug/L #	2
6) Bromomethane	2.776	94	1813	1.014	ug/L	94
8) Chloroethane	2.910	64	1761m	1.225	ug/L	
9) Trichlorofluoromethane	3.251	101	1911m	1.100	ug/L	
10) 1,1,2-Trichloro-1,2,2-...	4.056	101	3024m	1.427	ug/L	
12) 1,1-Dichloroethene	4.038	96	2527	1.375	ug/L #	1
13) Acetone	4.135	43	865m	2.715	ug/L	
14) Carbon disulfide	4.379	76	4981	1.046	ug/L	98
15) Methyl Acetate	4.684	43	938m	1.308	ug/L	
16) Methylene chloride	4.909	84	5336	2.444	ug/L	93
17) trans-1,2-Dichloroethene	5.434	96	2100	1.041	ug/L	86
18) Methyl tert-butyl Ether	5.421	73	2920m	1.064	ug/L	
19) 1,1-Dichloroethane	6.220	63	3377	1.034	ug/L	91
20) cis-1,2-Dichloroethene	7.171	96	2335	1.068	ug/L	92
22) 2-Butanone	7.171	43	857m	1.873	ug/L	
23) Bromochloromethane	7.506	128	1057	0.990	ug/L #	72
25) Chloroform	7.677	83	4505	1.182	ug/L	95

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27) 1,2-Dichloroethane	8.396	62	2674	1.139	ug/L #	93
29) Cyclohexane	7.951	56	2514	0.909	ug/L #	59
30) 1,1,1-Trichloroethane	7.872	97	3436	1.028	ug/L #	84
31) Carbon tetrachloride	8.067	117	2834	0.892	ug/L	87
33) Benzene	8.323	78	8202	1.021	ug/L	100
34) Trichloroethene	9.091	95	2563	1.114	ug/L	92
35) Methylcyclohexane	9.335	83	3501	0.984	ug/L	94
37) 1,2-Dichloropropane	9.372	63	1883	1.004	ug/L	97
38) Bromodichloromethane	9.640	83	2505	0.932	ug/L	94
39) cis-1,3-Dichloropropene	10.073	75	2646	0.929	ug/L	90
40) 4-Methyl-2-pentanone	10.207	43	1645	1.625	ug/L	94
42) Toluene	10.384	91	11604	1.276	ug/L	94
44) trans-1,3-Dichloropropene	10.597	75	3540	1.382	ug/L	84
45) 1,1,2-Trichloroethane	10.786	97	1704	1.025	ug/L	89
46) Tetrachloroethene	10.866	164	2121	1.052	ug/L	90
48) 2-Hexanone	10.969	43	1426	2.030	ug/L	96
49) Dibromochloromethane	11.128	129	1863	0.923	ug/L	99
50) 1,2-Dibromoethane	11.237	107	1492	0.931	ug/L #	94
51) Chlorobenzene	11.652	112	6423	1.015	ug/L	89
52) Ethylbenzene	11.725	91	9717	0.965	ug/L	97
53) m,p-Xylene	11.835	106	4012	0.969	ug/L	98
54) o-Xylene	12.164	106	3484	0.894	ug/L	90
55) Styrene	12.176	104	5123	0.784	ug/L #	77
57) 1,1,2,2-Tetrachloroethane	12.713	83	2089	1.083	ug/L	96
59) Bromoform	12.347	173	871	0.814	ug/L #	84
60) Isopropylbenzene	12.463	105	8727	0.898	ug/L	95
61) 1,2,3-Trichloropropane	12.768	75	1270	0.994	ug/L #	91
62) 1,3,5-Trimethylbenzene	12.938	105	5720	0.885	ug/L	97
63) 1,2,4-Trimethylbenzene	13.249	105	7253	0.918	ug/L	98
64) 1,3-Dichlorobenzene	13.493	146	4771	0.990	ug/L	92
65) 1,4-Dichlorobenzene	13.579	146	5244	1.086	ug/L	91
67) 1,2-Dichlorobenzene	13.865	146	4490	1.048	ug/L	95
68) 1,2-Dibromo-3-chloropr...	14.481	75	263m	0.974	ug/L	
69) 1,3,5-Trichlorobenzene	14.627	180	3501	1.012	ug/L	93
70) 1,2,4-trichlorobenzene	15.127	180	2539	0.970	ug/L	97
71) Naphthalene	15.359	128	3829	0.828	ug/L #	92
72) 1,2,3-Trichlorobenzene	15.548	180	2283	1.008	ug/L	93

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

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