

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW022322\
 Data File : VW022115.D
 Acq On : 23 Feb 2022 17:49
 Operator : SY/VA
 Sample : N1331-03
 Misc : 5.00g/10mL/MSVOA_W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 MDL-SOIL-QT1-2022-01

Manual Integrations
 APPROVED

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

Quant Time: Feb 24 04:16:09 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

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

Internal Standards						
1) 1,4-Difluorobenzene	8.841	114	164335	25.000	ug/L	0.00
28) Chlorobenzene-d5	11.627	117	155766	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.554	152	77536	25.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	2.355	65	51807	24.170	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	96.680%
7) Chloroethane-d5	2.885	69	35788	21.221	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	84.880%
11) 1,1-Dichloroethene-d2	4.019	63	62856	19.149	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	76.600%
21) 2-Butanone-d5	7.079	46	18196	50.490	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	100.980%
24) Chloroform-d	7.646	84	91570	24.974	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	99.880%
26) 1,2-Dichloroethane-d4	8.305	65	48312	25.349	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	101.400%
32) Benzene-d6	8.274	84	180892	24.953	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	99.800%
36) 1,2-Dichloropropane-d6	9.274	67	48862	24.271	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	97.080%
41) Toluene-d8	10.323	98	176448	24.482	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	97.920%
43) trans-1,3-Dichloroprop...	10.579	79	20825	23.330	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	93.320%
47) 2-Hexanone-d5	10.920	63	15704	47.427	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	94.860%
56) 1,1,2,2-Tetrachloroeth...	12.688	84	41776	23.645	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	94.560%
66) 1,2-Dichlorobenzene-d4	13.846	152	64032	25.712	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	102.840%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.013	85	562	1.224	ug/L #	76
3) Chloromethane	2.221	50	2149	1.365	ug/L	94
5) Vinyl chloride	2.367	62	3166	1.339	ug/L #	29
6) Bromomethane	2.781	94	1808	1.095	ug/L	91
8) Chloroethane	2.928	64	1579	1.189	ug/L	93
9) Trichlorofluoromethane	3.263	101	1873	1.167	ug/L	96
10) 1,1,2-Trichloro-1,2,2-...	4.062	101	3149m	1.608	ug/L	
12) 1,1-Dichloroethene	4.043	96	2864m	1.687	ug/L	
13) Acetone	4.141	43	817m	2.776	ug/L	
14) Carbon disulfide	4.379	76	4843	1.100	ug/L #	94
15) Methyl Acetate	4.690	43	962m	1.452	ug/L	
16) Methylene chloride	4.915	84	5371	2.663	ug/L	89
17) trans-1,2-Dichloroethene	5.427	96	2248	1.206	ug/L #	85
18) Methyl tert-butyl Ether	5.433	73	2933	1.156	ug/L #	64
19) 1,1-Dichloroethane	6.214	63	3482	1.154	ug/L #	93
20) cis-1,2-Dichloroethene	7.171	96	2465	1.220	ug/L	91
22) 2-Butanone	7.183	43	1072m	2.535	ug/L	
23) Bromochloromethane	7.531	128	1298m	1.316	ug/L	
25) Chloroform	7.671	83	4721	1.340	ug/L	89

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	8.402	62	2692	1.241	ug/L #	75
29) Cyclohexane	7.957	56	2751	1.061	ug/L #	72
30) 1,1,1-Trichloroethane	7.878	97	3600	1.149	ug/L	94
31) Carbon tetrachloride	8.073	117	3298	1.107	ug/L	99
33) Benzene	8.323	78	8358	1.110	ug/L	100
34) Trichloroethene	9.091	95	2614	1.212	ug/L	85
35) Methylcyclohexane	9.341	83	3567	1.069	ug/L #	88
37) 1,2-Dichloropropane	9.372	63	2037	1.159	ug/L #	96
38) Bromodichloromethane	9.646	83	2644	1.049	ug/L	96
39) cis-1,3-Dichloropropene	10.073	75	3102	1.162	ug/L	88
40) 4-Methyl-2-pentanone	10.213	43	1860	1.960	ug/L	96
42) Toluene	10.384	91	12488	1.465	ug/L	95
44) trans-1,3-Dichloropropene	10.603	75	2662	1.109	ug/L	98
45) 1,1,2-Trichloroethane	10.786	97	1715	1.101	ug/L	91
46) Tetrachloroethene	10.865	164	2354	1.246	ug/L	90
48) 2-Hexanone	10.963	43	1346	2.044	ug/L #	92
49) Dibromochloromethane	11.127	129	1981	1.047	ug/L	90
50) 1,2-Dibromoethane	11.237	107	1688	1.123	ug/L #	96
51) Chlorobenzene	11.658	112	6812	1.148	ug/L	93
52) Ethylbenzene	11.731	91	9518	1.009	ug/L	97
53) m,p-Xylene	11.835	106	4028	1.038	ug/L	94
54) o-Xylene	12.170	106	3390	0.928	ug/L	96
55) Styrene	12.182	104	5597	0.914	ug/L	96
57) 1,1,2,2-Tetrachloroethane	12.713	83	1937	1.072	ug/L #	88
59) Bromoform	12.347	173	1048	1.022	ug/L #	92
60) Isopropylbenzene	12.463	105	9213	0.990	ug/L	98
61) 1,2,3-Trichloropropane	12.767	75	1431	1.169	ug/L	93
62) 1,3,5-Trimethylbenzene	12.944	105	6185	0.999	ug/L	97
63) 1,2,4-Trimethylbenzene	13.249	105	7519	0.994	ug/L	97
64) 1,3-Dichlorobenzene	13.499	146	5047	1.093	ug/L	94
65) 1,4-Dichlorobenzene	13.572	146	5730	1.238	ug/L	99
67) 1,2-Dichlorobenzene	13.871	146	4890	1.191	ug/L	94
68) 1,2-Dibromo-3-chloropr...	14.481	75	272m	1.051	ug/L	
69) 1,3,5-Trichlorobenzene	14.627	180	3581m	1.081	ug/L	
70) 1,2,4-trichlorobenzene	15.127	180	2592	1.034	ug/L	95
71) Naphthalene	15.365	128	3928	0.887	ug/L	100
72) 1,2,3-Trichlorobenzene	15.554	180	2348	1.083	ug/L	98

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

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