

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW022422\
 Data File : VW022135.D
 Acq On : 24 Feb 2022 13:45
 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 25 06:42:14 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM022322SMA.M
 Quant Title : SFAM01.0
 QLast Update : Fri Feb 25 04:49:00 2022
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 02/25/2022
 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	146331	25.000	ug/L	0.00
28) Chlorobenzene-d5	11.628	117	137933	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.554	152	68135	25.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	2.355	65	40684	21.316	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	85.280%
7) Chloroethane-d5	2.885	69	30899	20.576	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	82.320%
11) 1,1-Dichloroethene-d2	4.013	63	47886	16.384	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	65.520%
21) 2-Butanone-d5	7.074	46	17040	53.100	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	106.200%
24) Chloroform-d	7.653	84	72331	22.154	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	88.600%
26) 1,2-Dichloroethane-d4	8.305	65	38786	22.854	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	91.400%
32) Benzene-d6	8.275	84	140493	21.886	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	87.560%
36) 1,2-Dichloropropane-d6	9.274	67	38451	21.569	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	86.280%
41) Toluene-d8	10.323	98	131542	20.611	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	82.440%
43) trans-1,3-Dichloroprop...	10.573	79	16392	20.738	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	82.960%
47) 2-Hexanone-d5	10.921	63	14477	49.374	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	98.740%
56) 1,1,2,2-Tetrachloroeth...	12.688	84	36587	23.385	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	93.520%
66) 1,2-Dichlorobenzene-d4	13.853	152	50178	22.929	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	91.720%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.020	85	398	0.973	ug/L #	68
3) Chloromethane	2.215	50	1868	1.333	ug/L	93
5) Vinyl chloride	2.361	62	3036	1.442	ug/L #	16
6) Bromomethane	2.776	94	1674	1.138	ug/L	85
8) Chloroethane	2.922	64	1572	1.329	ug/L #	61
9) Trichlorofluoromethane	3.263	101	2037	1.425	ug/L	93
10) 1,1,2-Trichloro-1,2,2-...	4.062	101	2896m	1.660	ug/L	
12) 1,1-Dichloroethene	4.044	96	2335m	1.545	ug/L	
13) Acetone	4.123	43	1004	3.831	ug/L	92
14) Carbon disulfide	4.385	76	4764	1.216	ug/L	99
15) Methyl Acetate	4.684	43	737	1.249	ug/L #	71
16) Methylene chloride	4.922	84	3200	1.782	ug/L	95
17) trans-1,2-Dichloroethene	5.422	96	1955m	1.178	ug/L	
18) Methyl tert-butyl Ether	5.434	73	2478	1.097	ug/L #	74
19) 1,1-Dichloroethane	6.220	63	3289	1.224	ug/L	98
20) cis-1,2-Dichloroethene	7.171	96	2139	1.189	ug/L	86
22) 2-Butanone	7.183	43	1246m	3.309	ug/L	
23) Bromochloromethane	7.525	128	1140m	1.298	ug/L	
25) Chloroform	7.683	83	3860	1.231	ug/L	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	8.403	62	2376	1.230	ug/L #	83
29) Cyclohexane	7.958	56	2624	1.143	ug/L	98
30) 1,1,1-Trichloroethane	7.872	97	3396	1.224	ug/L #	88
31) Carbon tetrachloride	8.067	117	2897	1.098	ug/L	97
33) Benzene	8.330	78	7631	1.144	ug/L	100
34) Trichloroethene	9.092	95	2213	1.159	ug/L	93
35) Methylcyclohexane	9.335	83	3497	1.184	ug/L	97
37) 1,2-Dichloropropane	9.372	63	1971	1.267	ug/L #	91
38) Bromodichloromethane	9.646	83	2552	1.144	ug/L #	95
39) cis-1,3-Dichloropropene	10.073	75	2430	1.028	ug/L	85
40) 4-Methyl-2-pentanone	10.207	43	1822	2.169	ug/L	96
42) Toluene	10.384	91	10237	1.356	ug/L	87
44) trans-1,3-Dichloropropene	10.604	75	2336	1.099	ug/L	91
45) 1,1,2-Trichloroethane	10.786	97	1679	1.217	ug/L	92
46) Tetrachloroethene	10.860	164	1906	1.140	ug/L	90
48) 2-Hexanone	10.963	43	1513	2.595	ug/L #	93
49) Dibromochloromethane	11.128	129	1787	1.066	ug/L	97
50) 1,2-Dibromoethane	11.238	107	1518	1.141	ug/L #	98
51) Chlorobenzene	11.658	112	5817	1.107	ug/L	93
52) Ethylbenzene	11.731	91	8876	1.063	ug/L	90
53) m,p-Xylene	11.835	106	3502	1.019	ug/L	93
54) o-Xylene	12.164	106	3111	0.962	ug/L	95
55) Styrene	12.176	104	5246	0.968	ug/L	96
57) 1,1,2,2-Tetrachloroethane	12.713	83	2124	1.327	ug/L #	83
59) Bromoform	12.353	173	893	0.991	ug/L #	92
60) Isopropylbenzene	12.463	105	8737	1.068	ug/L	99
61) 1,2,3-Trichloropropane	12.768	75	1456	1.354	ug/L	95
62) 1,3,5-Trimethylbenzene	12.938	105	5668	1.042	ug/L	100
63) 1,2,4-Trimethylbenzene	13.249	105	7402	1.114	ug/L	94
64) 1,3-Dichlorobenzene	13.499	146	4554	1.122	ug/L	93
65) 1,4-Dichlorobenzene	13.579	146	5011	1.232	ug/L	97
67) 1,2-Dichlorobenzene	13.865	146	4295	1.191	ug/L	91
68) 1,2-Dibromo-3-chloropr...	14.493	75	264m	1.161	ug/L	
69) 1,3,5-Trichlorobenzene	14.627	180	3128	1.074	ug/L	94
70) 1,2,4-trichlorobenzene	15.127	180	2514	1.141	ug/L	99
71) Naphthalene	15.359	128	4327	1.112	ug/L	98
72) 1,2,3-Trichlorobenzene	15.548	180	2138	1.122	ug/L	97

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

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