

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD080323\
 Data File : VD076918.D
 Acq On : 03 Aug 2023 14:45
 Operator : KP/SY
 Sample : 03573-03
 Misc : 5.00G/10ml/MSVOA_D/SOIL
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 MDL-SOIL-QT3-2023-05

Quant Time: Aug 04 02:31:38 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\SFAMDLM080323SMA.M
 Quant Title : SFAM01.0
 QLast Update : Fri Aug 04 02:21:25 2023
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 08/04/2023
 Supervised By :Semsettin Yesilyurt 08/04/2023

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

Internal Standards						
1) 1,4-Difluorobenzene	8.775	114	250684	25.000	ug/L	0.00
28) Chlorobenzene-d5	11.581	117	253966	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.516	152	121921	25.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	2.270	65	158136	22.938	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	91.760%
7) Chloroethane-d5	2.799	69	155598	24.414	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	97.640%
11) 1,1-Dichloroethene-d2	3.917	65	37984	23.253	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	93.000%
21) 2-Butanone-d5	6.987	46	55588m	50.223	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	100.440%
24) Chloroform-d	7.563	84	199237	24.407	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	97.640%
26) 1,2-Dichloroethane-d4	8.228	65	104596	25.704	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	102.800%
32) Benzene-d6	8.199	84	406791	25.476	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	101.920%
36) 1,2-Dichloropropane-d6	9.210	67	128744	26.224	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	104.880%
41) Toluene-d8	10.269	98	371467	25.374	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	101.480%
43) trans-1,3-Dichloroprop...	10.528	79	52678	23.734	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	94.920%
47) 2-Hexanone-d5	10.875	63	47079	50.202	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	100.400%
56) 1,1,2,2-Tetrachloroeth...	12.651	84	112597	23.735	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	94.960%
66) 1,2-Dichlorobenzene-d4	13.816	152	117121	26.276	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	105.120%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.928	85	5232	1.259	ug/L	95
3) Chloromethane	2.152	50	6834	1.268	ug/L	94
5) Vinyl chloride	2.281	62	8650	1.122	ug/L #	54
6) Bromomethane	2.693	94	6632	1.153	ug/L	96
8) Chloroethane	2.828	64	6157	1.186	ug/L	99
9) Trichlorofluoromethane	3.169	101	6147	0.963	ug/L #	37
10) 1,1,2-Trichloro-1,2,2-...	3.964	101	5919m	1.423	ug/L	
12) 1,1-Dichloroethene	3.946	96	4863	1.319	ug/L #	1
13) Acetone	4.028	43	5218	4.610	ug/L	58
14) Carbon disulfide	4.269	76	13189	1.030	ug/L	98
15) Methyl Acetate	4.569	43	1881m	0.983	ug/L	
16) Methylene chloride	4.793	84	22577m	4.293	ug/L	
17) trans-1,2-Dichloroethene	5.322	96	4380m	1.049	ug/L	
18) Methyl tert-butyl Ether	5.322	73	7852m	0.851	ug/L	
19) 1,1-Dichloroethane	6.105	63	7275m	1.043	ug/L	
20) cis-1,2-Dichloroethene	7.093	96	4670m	1.002	ug/L	
22) 2-Butanone	7.081	43	5346m	3.376	ug/L	
23) Bromochloromethane	7.440	128	2164m	0.957	ug/L	
25) Chloroform	7.599	83	9248m	1.211	ug/L	

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	8.322	62	5265	1.100	ug/L #	77
29) Cyclohexane	7.869	56	5171m	0.925	ug/L	
30) 1,1,1-Trichloroethane	7.787	97	6517	1.036	ug/L #	67
31) Carbon tetrachloride	7.999	117	4991	0.969	ug/L	99
33) Benzene	8.246	78	16588	0.996	ug/L	100
34) Trichloroethene	9.022	95	4237	0.977	ug/L #	73
35) Methylcyclohexane	9.275	83	6543	0.925	ug/L #	87
37) 1,2-Dichloropropane	9.304	63	4516	1.068	ug/L #	88
38) Bromodichloromethane	9.581	83	5534	0.950	ug/L #	74
39) cis-1,3-Dichloropropene	10.022	75	5842	0.856	ug/L	100
40) 4-Methyl-2-pentanone	10.163	43	4515	1.695	ug/L #	77
42) Toluene	10.334	91	17864	0.987	ug/L	89
44) trans-1,3-Dichloropropene	10.551	75	8103m	1.358	ug/L	
45) 1,1,2-Trichloroethane	10.734	97	3999	1.064	ug/L	88
46) Tetrachloroethene	10.816	164	3521	1.078	ug/L #	76
48) 2-Hexanone	10.922	43	3419	1.669	ug/L	99
49) Dibromochloromethane	11.075	129	3761	0.900	ug/L	92
50) 1,2-Dibromoethane	11.181	107	3175	0.866	ug/L #	73
51) Chlorobenzene	11.604	112	11905	1.009	ug/L	96
52) Ethylbenzene	11.687	91	17323	0.898	ug/L	90
53) m,p-Xylene	11.793	106	6293	0.846	ug/L	64
54) o-Xylene	12.122	106	5260	0.735	ug/L	83
55) Styrene	12.134	104	9235	0.714	ug/L #	77
57) 1,1,2,2-Tetrachloroethane	12.675	83	4562	0.981	ug/L	93
59) Bromoform	12.293	173	2203	0.911	ug/L #	92
60) Isopropylbenzene	12.422	105	15571	0.888	ug/L	99
61) 1,2,3-Trichloropropane	12.728	75	3311	1.164	ug/L #	49
62) 1,3,5-Trimethylbenzene	12.904	105	11385	0.852	ug/L	98
63) 1,2,4-Trimethylbenzene	13.216	105	10810	0.813	ug/L	95
64) 1,3-Dichlorobenzene	13.463	146	7932	0.991	ug/L #	91
65) 1,4-Dichlorobenzene	13.534	146	8159	0.986	ug/L	90
67) 1,2-Dichlorobenzene	13.828	146	8500	1.133	ug/L #	88
68) 1,2-Dibromo-3-chloropr...	14.451	75	604m	0.926	ug/L	
69) 1,3,5-Trichlorobenzene	14.592	180	5385	1.075	ug/L	96
70) 1,2,4-trichlorobenzene	15.104	180	4249	0.965	ug/L	98
71) Naphthalene	15.334	128	11010	1.063	ug/L #	96
72) 1,2,3-Trichlorobenzene	15.522	180	4197	1.051	ug/L	97

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

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