

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD022824\
 Data File : VD078567.D
 Acq On : 28 Feb 2024 14:58
 Operator : RP/MD
 Sample : P1601-04
 Misc : 5.00G/10ml/MSVOA_D/SOIL/A
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 MDL-SOIL-QT1-2024-02

Quant Time: Feb 28 23:14:47 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\SFAMDL022724SMA.M
 Quant Title : SFAM01.0
 QLast Update : Wed Feb 28 23:05:03 2024
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 02/29/2024
 Supervised By :Mahesh Dadoda 02/29/2024

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

Internal Standards						
1) 1,4-Difluorobenzene	8.775	114	168805	25.000	ug/L	0.00
28) Chlorobenzene-d5	11.581	117	171149	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.516	152	75420	25.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	2.275	65	137118	21.649	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	86.600%
7) Chloroethane-d5	2.805	69	131830	23.564	ug/L	0.01
Spiked Amount	25.000	Range	30 - 150	Recovery	=	94.240%
11) 1,1-Dichloroethene-d2	3.922	65	26543	25.544	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	102.160%
21) 2-Butanone-d5	6.987	46	26847	55.626	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	111.260%
24) Chloroform-d	7.569	84	114724	24.324	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	97.280%
26) 1,2-Dichloroethane-d4	8.234	65	61150	26.775	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	107.080%
32) Benzene-d6	8.199	84	243602	24.857	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	99.440%
36) 1,2-Dichloropropane-d6	9.210	67	74844	25.827	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	103.320%
41) Toluene-d8	10.269	98	220429	24.343	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	97.360%
43) trans-1,3-Dichloroprop...	10.522	79	31138	25.753	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	103.000%
47) 2-Hexanone-d5	10.875	63	25354	58.236	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	116.480%
56) 1,1,2,2-Tetrachloroeth...	12.651	84	65161	26.934	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	107.720%
66) 1,2-Dichlorobenzene-d4	13.816	152	66856	25.230	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	100.920%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.934	85	3606	1.174	ug/L	91
3) Chloromethane	2.152	50	4598	1.026	ug/L	# 82
5) Vinyl chloride	2.287	62	7657	1.093	ug/L	92
6) Bromomethane	2.699	94	4860	1.287	ug/L	89
8) Chloroethane	2.846	64	5182	1.119	ug/L	87
9) Trichlorofluoromethane	3.175	101	4636	1.136	ug/L	95
10) 1,1,2-Trichloro-1,2,2-...	3.969	101	2956m	1.110	ug/L	
12) 1,1-Dichloroethene	3.940	96	3305m	1.451	ug/L	
13) Acetone	4.028	43	1579m	2.756	ug/L	
14) Carbon disulfide	4.269	76	9117	1.193	ug/L	99
15) Methyl Acetate	4.564	43	871m	1.070	ug/L	
16) Methylene chloride	4.811	84	7782m	2.510	ug/L	
17) trans-1,2-Dichloroethene	5.311	96	2870	1.139	ug/L	88
18) Methyl tert-butyl Ether	5.328	73	5281m	1.103	ug/L	
19) 1,1-Dichloroethane	6.099	63	5409m	1.279	ug/L	
20) cis-1,2-Dichloroethene	7.075	96	2663m	0.969	ug/L	
22) 2-Butanone	7.093	43	1665m	2.539	ug/L	
23) Bromochloromethane	7.434	128	1320m	1.081	ug/L	
25) Chloroform	7.587	83	12769	2.674	ug/L	94

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27) 1,2-Dichloroethane	8.328	62	3142	1.194	ug/L	#	91
29) Cyclohexane	7.869	56	3549m	1.078	ug/L		
30) 1,1,1-Trichloroethane	7.787	97	3781	0.966	ug/L	#	78
31) Carbon tetrachloride	7.999	117	3376m	0.967	ug/L		
33) Benzene	8.252	78	11000	1.074	ug/L		100
34) Trichloroethene	9.028	95	3025	1.136	ug/L		91
35) Methylcyclohexane	9.281	83	4219	0.982	ug/L		94
37) 1,2-Dichloropropane	9.304	63	3007	1.193	ug/L	#	86
38) Bromodichloromethane	9.581	83	3828	1.114	ug/L	#	85
39) cis-1,3-Dichloropropene	10.010	75	3731	0.953	ug/L		92
40) 4-Methyl-2-pentanone	10.157	43	2251	1.937	ug/L	#	76
42) Toluene	10.334	91	11266	1.004	ug/L		82
44) trans-1,3-Dichloropropene	10.551	75	4021m	1.190	ug/L		
45) 1,1,2-Trichloroethane	10.734	97	2284	1.120	ug/L	#	83
46) Tetrachloroethene	10.816	164	2202m	1.006	ug/L		
48) 2-Hexanone	10.922	43	2313	2.399	ug/L	#	61
49) Dibromochloromethane	11.063	129	2326m	0.971	ug/L		
50) 1,2-Dibromoethane	11.181	107	2241	1.156	ug/L	#	94
51) Chlorobenzene	11.604	112	7604	1.028	ug/L	#	78
52) Ethylbenzene	11.687	91	11035	0.905	ug/L		91
53) m,p-Xylene	11.787	106	4217	0.896	ug/L		67
54) o-Xylene	12.122	106	3332	0.729	ug/L		99
55) Styrene	12.134	104	5515	0.680	ug/L		99
57) 1,1,2,2-Tetrachloroethane	12.669	83	3118	1.313	ug/L	#	91
59) Bromoform	12.304	173	1336m	1.082	ug/L		
60) Isopropylbenzene	12.422	105	8981	0.876	ug/L	#	91
61) 1,2,3-Trichloropropane	12.728	75	1704	1.338	ug/L	#	88
62) 1,3,5-Trimethylbenzene	12.904	105	6823	0.876	ug/L		100
63) 1,2,4-Trimethylbenzene	13.216	105	6106m	0.799	ug/L		
64) 1,3-Dichlorobenzene	13.451	146	4567	0.966	ug/L		81
65) 1,4-Dichlorobenzene	13.540	146	5462	1.098	ug/L		95
67) 1,2-Dichlorobenzene	13.828	146	4812	1.116	ug/L	#	85
68) 1,2-Dibromo-3-chloropr...	14.439	75	528m	1.998	ug/L		
69) 1,3,5-Trichlorobenzene	14.598	180	3244	1.061	ug/L	#	90
70) 1,2,4-trichlorobenzene	15.098	180	2544	0.997	ug/L	#	93
71) Naphthalene	15.334	128	4944	1.059	ug/L	#	84
72) 1,2,3-Trichlorobenzene	15.528	180	2054m	0.910	ug/L		

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

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