

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD051724\
 Data File : VD078965.D
 Acq On : 17 May 2024 16:59
 Operator : RP/MD
 Sample : P2409-03
 Misc : 5.00G/10ml/MSVOA_D/SOIL/A
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 MDL-SOIL-QT2-2024-03

Manual Integrations
 APPROVED

Reviewed By :Mahesh
 Dadoda

Quant Time: May 18 01:16:09 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\SFAMDLM051724SMA.M
 Quant Title : SFAM01.0
 QLast Update : Sat May 18 00:53:45 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	8.775	114	143804	25.000	ug/L	0.00
28) Chlorobenzene-d5	11.581	117	155353	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.516	152	68851	25.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	2.275	65	75550	21.431	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	85.720%
7) Chloroethane-d5	2.799	69	87480	23.182	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	92.720%
11) 1,1-Dichloroethene-d2	3.922	65	13135m	19.101	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	76.400%
21) 2-Butanone-d5	6.993	46	21696	43.481	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	86.960%
24) Chloroform-d	7.569	84	89470	20.899	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	83.600%
26) 1,2-Dichloroethane-d4	8.228	65	45087	22.177	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	88.720%
32) Benzene-d6	8.198	84	165866	20.925	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	83.680%
36) 1,2-Dichloropropane-d6	9.204	67	52434	21.709	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	86.840%
41) Toluene-d8	10.269	98	145185	19.870	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	79.480%
43) trans-1,3-Dichloroprop...	10.522	79	22206	19.959	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	79.840%
47) 2-Hexanone-d5	10.875	63	18592	38.408	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	76.820%
56) 1,1,2,2-Tetrachloroeth...	12.651	84	56646	20.617	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	82.480%
66) 1,2-Dichlorobenzene-d4	13.816	152	52646	22.528	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	90.120%
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.934	85	3493	1.214	ug/L	98
3) Chloromethane	2.152	50	5343	1.513	ug/L	88
5) Vinyl chloride	2.287	62	6666	1.154	ug/L	86
6) Bromomethane	2.693	94	5765	1.396	ug/L	94
8) Chloroethane	2.834	64	5492	1.231	ug/L #	82
9) Trichlorofluoromethane	3.169	101	4479	0.994	ug/L	84
10) 1,1,2-Trichloro-1,2,2-...	3.963	101	3205m	1.122	ug/L	
12) 1,1-Dichloroethene	3.934	96	2977m	1.197	ug/L	
13) Acetone	4.040	43	1278m	2.120	ug/L	
14) Carbon disulfide	4.275	76	8855	1.229	ug/L #	89
15) Methyl Acetate	4.581	43	889m	0.908	ug/L	
16) Methylene chloride	4.804	84	12102	3.553	ug/L	87
17) trans-1,2-Dichloroethene	5.304	96	2745m	1.084	ug/L	
18) Methyl tert-butyl Ether	5.304	73	5128m	0.951	ug/L	
19) 1,1-Dichloroethane	6.110	63	4746m	1.116	ug/L	
20) cis-1,2-Dichloroethene	7.081	96	3231m	1.119	ug/L	
22) 2-Butanone	7.063	43	1725m	2.489	ug/L	
23) Bromochloromethane	7.434	128	1757m	1.218	ug/L	
25) Chloroform	7.598	83	7508	1.469	ug/L	94

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)	
27) 1,2-Dichloroethane	8.328	62	3667	1.239	ug/L #	92	05/20/2024
29) Cyclohexane	7.881	56	2896m	0.970	ug/L		Supervised By :Semsettin Yesilyurt
30) 1,1,1-Trichloroethane	7.793	97	4473	1.041	ug/L #	82	
31) Carbon tetrachloride	7.993	117	4119m	1.041	ug/L		
33) Benzene	8.251	78	11983	1.125	ug/L	100	
34) Trichloroethene	9.022	95	3024	1.102	ug/L	88	
35) Methylcyclohexane	9.269	83	4248	1.030	ug/L	94	05/20/2024
38) Bromodichloromethane	9.581	83	3997m	1.047	ug/L		
39) cis-1,3-Dichloropropene	10.022	75	4047	0.956	ug/L	98	
40) 4-Methyl-2-pentanone	10.157	43	2343m	1.719	ug/L		
42) Toluene	10.334	91	12019	1.027	ug/L	95	
44) trans-1,3-Dichloropropene	10.551	75	3878	1.036	ug/L	93	
45) 1,1,2-Trichloroethane	10.722	97	2463m	0.998	ug/L		
46) Tetrachloroethene	10.810	164	2090	0.885	ug/L	93	
48) 2-Hexanone	10.916	43	2231	2.111	ug/L #	53	
49) Dibromochloromethane	11.075	129	2717	0.906	ug/L	96	
50) 1,2-Dibromoethane	11.175	107	2406	1.032	ug/L #	79	
51) Chlorobenzene	11.604	112	8747	1.058	ug/L	99	
52) Ethylbenzene	11.681	91	11631	0.920	ug/L	97	
53) m,p-Xylene	11.786	106	4765	0.943	ug/L	99	
54) o-Xylene	12.116	106	4029	0.818	ug/L	95	
55) Styrene	12.128	104	6891	0.792	ug/L	88	
57) 1,1,2,2-Tetrachloroethane	12.675	83	3514	1.174	ug/L #	91	
59) Bromoform	12.298	173	1966	1.262	ug/L #	74	
60) Isopropylbenzene	12.422	105	9453	0.929	ug/L	92	
61) 1,2,3-Trichloropropane	12.716	75	1845	1.169	ug/L #	80	
62) 1,3,5-Trimethylbenzene	12.898	105	6602	0.877	ug/L	94	
63) 1,2,4-Trimethylbenzene	13.210	105	7740	1.012	ug/L	91	
64) 1,3-Dichlorobenzene	13.457	146	5731	1.159	ug/L	91	
65) 1,4-Dichlorobenzene	13.539	146	6576	1.234	ug/L	89	
67) 1,2-Dichlorobenzene	13.833	146	6185	1.322	ug/L	90	
68) 1,2-Dibromo-3-chloropr...	14.439	75	380m	1.156	ug/L		
69) 1,3,5-Trichlorobenzene	14.592	180	3442m	1.072	ug/L		
70) 1,2,4-trichlorobenzene	15.098	180	3030	1.115	ug/L #	91	
71) Naphthalene	15.327	128	5901	1.064	ug/L #	89	
72) 1,2,3-Trichlorobenzene	15.522	180	2602	1.024	ug/L	94	

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

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