

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD091224\
 Data File : VD079825.D
 Acq On : 12 Sep 2024 11:30
 Operator : RP/MD
 Sample : P3391-04
 Misc : 5.00G/10ml/MSVOA_D/SOIL/A
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 MDL-SOIL-QT3-2024-06

Quant Time: Sep 13 00:27:38 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\SFAMDLM091024SMA.M
 Quant Title : SFAM01.0
 QLast Update : Fri Sep 13 00:16:14 2024
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Romaben Patel 09/13/2024
 Supervised By :Mahesh Dadoda 09/16/2024

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

Internal Standards						
1) 1,4-Difluorobenzene	8.775	114	162581	25.000	ug/L	0.00
28) Chlorobenzene-d5	11.580	117	164032	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.516	152	66536	25.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	2.275	65	153178	21.667	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	86.680%
7) Chloroethane-d5	2.804	69	125338	22.393	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	89.560%
11) 1,1-Dichloroethene-d2	3.916	65	27341	21.301	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	85.200%
21) 2-Butanone-d5	6.987	46	29210	44.470	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	88.940%
24) Chloroform-d	7.569	84	115560	21.623	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	86.480%
26) 1,2-Dichloroethane-d4	8.228	65	67130	24.021	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	96.080%
32) Benzene-d6	8.198	84	262292	22.649	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	90.600%
36) 1,2-Dichloropropane-d6	9.210	67	80400	22.668	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	90.680%
41) Toluene-d8	10.269	98	234364	22.998	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	92.000%
43) trans-1,3-Dichloroprop...	10.522	79	33902	22.233	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	88.920%
47) 2-Hexanone-d5	10.875	63	25596	44.271	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	88.540%
56) 1,1,2,2-Tetrachloroeth...	12.645	84	59099	22.675	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	90.720%
66) 1,2-Dichlorobenzene-d4	13.816	152	61195	24.388	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	97.560%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.934	85	4389	1.416	ug/L	99
3) Chloromethane	2.146	50	8202	1.509	ug/L	87
5) Vinyl chloride	2.281	62	9952	1.494	ug/L #	67
6) Bromomethane	2.693	94	5164	1.540	ug/L	97
8) Chloroethane	2.834	64	6425	1.460	ug/L	88
9) Trichlorofluoromethane	3.181	101	6405	1.338	ug/L #	74
10) 1,1,2-Trichloro-1,2,2-...	3.963	101	3731	1.408	ug/L #	63
12) 1,1-Dichloroethene	3.940	96	4574	1.853	ug/L #	1
13) Acetone	4.016	43	2299m	2.871	ug/L	
14) Carbon disulfide	4.269	76	11625	1.448	ug/L	99
15) Methyl Acetate	4.575	43	1557m	1.221	ug/L	
16) Methylene chloride	4.798	84	8156m	2.539	ug/L	
17) trans-1,2-Dichloroethene	5.316	96	3479m	1.322	ug/L	
18) Methyl tert-butyl Ether	5.310	73	7389m	1.248	ug/L	
19) 1,1-Dichloroethane	6.098	63	7074m	1.353	ug/L	
20) cis-1,2-Dichloroethene	7.069	96	4035m	1.392	ug/L	
22) 2-Butanone	7.087	43	2295m	2.443	ug/L	
23) Bromochloromethane	7.422	128	1730m	1.407	ug/L	
25) Chloroform	7.592	83	18630	3.423	ug/L	94

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	8.322	62	4813	1.447	ug/L #	92
29) Cyclohexane	7.887	56	4923m	1.213	ug/L	
30) 1,1,1-Trichloroethane	7.798	97	6105	1.365	ug/L #	89
31) Carbon tetrachloride	7.987	117	5240m	1.323	ug/L	
33) Benzene	8.251	78	16634	1.362	ug/L	100
34) Trichloroethene	9.028	95	3752	1.329	ug/L	84
35) Methylcyclohexane	9.275	83	6346	1.393	ug/L	92
38) Bromodichloromethane	9.581	83	5099	1.314	ug/L #	96
39) cis-1,3-Dichloropropene	10.016	75	5702	1.219	ug/L	89
40) 4-Methyl-2-pentanone	10.157	43	3821	2.191	ug/L	95
42) Toluene	10.328	91	17681	1.374	ug/L	95
44) trans-1,3-Dichloropropene	10.551	75	5592m	1.357	ug/L	
45) 1,1,2-Trichloroethane	10.733	97	3344	1.469	ug/L	86
46) Tetrachloroethene	10.810	164	2677	1.397	ug/L	84
48) 2-Hexanone	10.916	43	4050	2.855	ug/L #	78
49) Dibromochloromethane	11.075	129	3456	1.391	ug/L	84
50) 1,2-Dibromoethane	11.180	107	2692	1.370	ug/L #	80
51) Chlorobenzene	11.604	112	10365	1.342	ug/L	99
52) Ethylbenzene	11.680	91	15832	1.171	ug/L	98
53) m,p-Xylene	11.792	106	6302	1.231	ug/L	98
54) o-Xylene	12.116	106	5333	1.062	ug/L	65
55) Styrene	12.128	104	9612	1.090	ug/L	89
57) 1,1,2,2-Tetrachloroethane	12.663	83	3893	1.459	ug/L #	90
59) Bromoform	12.298	173	1858	1.618	ug/L #	57
60) Isopropylbenzene	12.416	105	13170	1.146	ug/L #	91
61) 1,2,3-Trichloropropane	12.727	75	2469	1.510	ug/L #	86
62) 1,3,5-Trimethylbenzene	12.904	105	8686	1.034	ug/L	92
63) 1,2,4-Trimethylbenzene	13.210	105	10278	1.167	ug/L	97
64) 1,3-Dichlorobenzene	13.457	146	6404	1.349	ug/L	89
65) 1,4-Dichlorobenzene	13.533	146	7022	1.410	ug/L	87
67) 1,2-Dichlorobenzene	13.822	146	6644	1.548	ug/L	96
68) 1,2-Dibromo-3-chloropr...	14.445	75	414m	1.237	ug/L	
69) 1,3,5-Trichlorobenzene	14.586	180	4333	1.505	ug/L	96
70) 1,2,4-trichlorobenzene	15.092	180	3455	1.426	ug/L	91
71) Naphthalene	15.327	128	6972	1.288	ug/L #	88
72) 1,2,3-Trichlorobenzene	15.521	180	3076	1.419	ug/L #	75

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

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