

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW040723\
 Data File : VW025563.D
 Acq On : 07 Apr 2023 10:20
 Operator : SY/MD
 Sample : 02215-03 MDL 1.PPB
 Misc : 5.00g/10mL/MSVOA_W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 MDL-SOIL-QT2-2023-03DL

Quant Time: Apr 07 23:04:31 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM040323SMA.M
 Quant Title : SFAM01.0
 QLast Update : Tue Apr 04 03:07:33 2023
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : Semsettin Yesilyurt 04/10/2023
 Supervised By : Mahesh Dadoda 04/10/2023

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

Internal Standards						
1) 1,4-Difluorobenzene	8.843	114	775253	25.000	ug/L	0.00
28) Chlorobenzene-d5	11.629	117	689249	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.555	152	322959	25.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	2.368	65	246244	19.519	ug/L	0.00
Spiked Amount 25.000	Range 30 - 150		Recovery =	78.080%		
7) Chloroethane-d5	2.899	69	180962	20.147	ug/L	0.00
Spiked Amount 25.000	Range 30 - 150		Recovery =	80.600%		
11) 1,1-Dichloroethene-d2	4.027	63	399248	15.649	ug/L	0.00
Spiked Amount 25.000	Range 45 - 110		Recovery =	62.600%		
21) 2-Butanone-d5	7.075	46	145487	51.694	ug/L	0.00
Spiked Amount 50.000	Range 20 - 135		Recovery =	103.380%		
24) Chloroform-d	7.648	84	479017	22.006	ug/L	0.00
Spiked Amount 25.000	Range 40 - 150		Recovery =	88.040%		
26) 1,2-Dichloroethane-d4	8.306	65	266198	23.507	ug/L	0.00
Spiked Amount 25.000	Range 70 - 130		Recovery =	94.040%		
32) Benzene-d6	8.276	84	1004449	22.506	ug/L	0.00
Spiked Amount 25.000	Range 20 - 135		Recovery =	90.040%		
36) 1,2-Dichloropropane-d6	9.270	67	316010	22.709	ug/L	0.00
Spiked Amount 25.000	Range 70 - 120		Recovery =	90.840%		
41) Toluene-d8	10.324	98	868337	22.274	ug/L	0.00
Spiked Amount 25.000	Range 30 - 130		Recovery =	89.080%		
43) trans-1,3-Dichloroprop...	10.574	79	115984	22.231	ug/L	0.00
Spiked Amount 25.000	Range 30 - 135		Recovery =	88.920%		
47) 2-Hexanone-d5	10.922	63	96399	50.681	ug/L	0.00
Spiked Amount 50.000	Range 20 - 135		Recovery =	101.360%		
56) 1,1,2,2-Tetrachloroeth...	12.690	84	228066	24.282	ug/L	0.00
Spiked Amount 25.000	Range 45 - 120		Recovery =	97.120%		
66) 1,2-Dichlorobenzene-d4	13.848	152	268675	24.215	ug/L	0.00
Spiked Amount 25.000	Range 75 - 120		Recovery =	96.880%		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.015	85	9490	0.875	ug/L #	74
3) Chloromethane	2.216	50	12425	0.988	ug/L	88
5) Vinyl chloride	2.375	62	15624m	1.124	ug/L	
6) Bromomethane	2.789	94	8527	1.140	ug/L	92
8) Chloroethane	2.929	64	9098	1.168	ug/L	89
9) Trichlorofluoromethane	3.271	101	9138	0.853	ug/L	98
10) 1,1,2-Trichloro-1,2,2-...	4.069	101	15176m	1.412	ug/L	
12) 1,1-Dichloroethene	4.045	96	13380	1.244	ug/L #	1
13) Acetone	4.124	43	8376	3.516	ug/L	51
14) Carbon disulfide	4.392	76	41582	1.095	ug/L	98
15) Methyl Acetate	4.679	43	6584	1.230	ug/L #	80
16) Methylene chloride	4.923	84	29514	2.395	ug/L	97
17) trans-1,2-Dichloroethene	5.423	96	12872m	1.125	ug/L	
18) Methyl tert-butyl Ether	5.429	73	18364	1.163	ug/L #	86
19) 1,1-Dichloroethane	6.221	63	26486	1.159	ug/L	94
20) cis-1,2-Dichloroethene	7.172	96	14218	1.195	ug/L #	92
22) 2-Butanone	7.179	43	8578	2.533	ug/L	85
23) Bromochloromethane	7.514	128	6482	1.328	ug/L #	85
25) Chloroform	7.678	83	27034	1.293	ug/L	97

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	8.398	62	18546	1.322	ug/L	96
29) Cyclohexane	7.959	56	22285	0.999	ug/L	98
30) 1,1,1-Trichloroethane	7.874	97	19849	1.159	ug/L	96
31) Carbon tetrachloride	8.063	117	17965	1.162	ug/L	99
33) Benzene	8.319	78	57926	1.207	ug/L	100
34) Trichloroethene	9.093	95	14902	1.194	ug/L	96
35) Methylcyclohexane	9.337	83	22684	1.007	ug/L	94
37) 1,2-Dichloropropane	9.367	63	15531	1.226	ug/L #	97
38) Bromodichloromethane	9.642	83	18164	1.253	ug/L	92
39) cis-1,3-Dichloropropene	10.068	75	21866	1.203	ug/L	100
40) 4-Methyl-2-pentanone	10.208	43	18115	2.526	ug/L #	96
42) Toluene	10.385	91	58022	1.188	ug/L	99
44) trans-1,3-Dichloropropene	10.605	75	22813	1.522	ug/L	97
45) 1,1,2-Trichloroethane	10.788	97	9937	1.230	ug/L	98
46) Tetrachloroethene	10.861	164	10212	1.164	ug/L	94
48) 2-Hexanone	10.964	43	13851	2.795	ug/L #	98
49) Dibromochloromethane	11.129	129	10317	1.213	ug/L	91
50) 1,2-Dibromoethane	11.233	107	9532	1.284	ug/L #	95
51) Chlorobenzene	11.653	112	36352	1.208	ug/L	98
52) Ethylbenzene	11.727	91	61377	1.110	ug/L	94
53) m,p-Xylene	11.836	106	21709	1.071	ug/L	96
54) o-Xylene	12.165	106	19032	1.004	ug/L	95
55) Styrene	12.178	104	31941	1.001	ug/L	98
57) 1,1,2,2-Tetrachloroethane	12.708	83	13667	1.412	ug/L #	91
59) Bromoform	12.348	173	5827	1.317	ug/L #	93
60) Isopropylbenzene	12.464	105	52143	1.031	ug/L	98
61) 1,2,3-Trichloropropane	12.763	75	9835	1.469	ug/L	97
62) 1,3,5-Trimethylbenzene	12.940	105	39184	0.981	ug/L	99
63) 1,2,4-Trimethylbenzene	13.245	105	37946	0.987	ug/L	98
64) 1,3-Dichlorobenzene	13.494	146	25289	1.206	ug/L	99
65) 1,4-Dichlorobenzene	13.574	146	27862	1.301	ug/L	92
67) 1,2-Dichlorobenzene	13.866	146	25386	1.381	ug/L	96
68) 1,2-Dibromo-3-chloropr...	14.482	75	2504	1.705	ug/L #	80
69) 1,3,5-Trichlorobenzene	14.622	180	17361	1.237	ug/L	97
70) 1,2,4-trichlorobenzene	15.128	180	13739	1.205	ug/L	95
71) Naphthalene	15.360	128	23549	1.107	ug/L	100
72) 1,2,3-Trichlorobenzene	15.549	180	13097	1.314	ug/L	97

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

