

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW030124\
 Data File : VW034492.D
 Acq On : 01 Mar 2024 11:25
 Operator : SY/MD
 Sample : P1601-06
 Misc : 5.00g/5.0mL/100uL/5.0mL/MSVOA_V/MEOH
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 MDL-MED-SOIL-QT1-2024-02

Quant Time: Mar 01 22:31:51 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM022924WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Mar 01 22:18:41 2024
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 03/05/2024
 Supervised By :Semsettin Yesilyurt 03/05/2024

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

Internal Standards						
1) 1,4-Difluorobenzene	5.532	114	299163	50.000	ug/L	0.00
28) Chlorobenzene-d5	8.783	117	284447	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.184	152	136149	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.278	65	109408	42.187	ug/L	0.00
Spiked Amount 50.000	Range 60 - 135		Recovery =	84.380%		
7) Chloroethane-d5	1.532	69	88696	43.899	ug/L	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery =	87.800%		
11) 1,1-Dichloroethene-d2	2.059	65	49606	42.294	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	84.580%		
21) 2-Butanone-d5	3.793	46	173205	99.869	ug/L	0.00
Spiked Amount 100.000	Range 40 - 130		Recovery =	99.870%		
24) Chloroform-d	4.249	84	202130	44.081	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	88.160%		
26) 1,2-Dichloroethane-d4	4.940	65	141961	47.376	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	94.760%		
32) Benzene-d6	4.960	84	384014	44.732	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	89.460%		
36) 1,2-Dichloropropane-d6	5.989	67	122531	46.770	ug/L	0.00
Spiked Amount 50.000	Range 70 - 120		Recovery =	93.540%		
41) Toluene-d8	7.243	98	340735	43.860	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	87.720%		
43) trans-1,3-Dichloroprop...	7.554	79	55125	41.900	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	83.800%		
47) 2-Hexanone-d5	8.024	63	126991	97.069	ug/L	0.00
Spiked Amount 100.000	Range 45 - 130		Recovery =	97.070%		
56) 1,1,2,2-Tetrachloroeth...	10.152	84	162030	46.996	ug/L	0.00
Spiked Amount 50.000	Range 65 - 120		Recovery =	94.000%		
66) 1,2-Dichlorobenzene-d4	11.557	152	133523	47.979	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	95.960%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.105	85	7844	2.500	ug/L	100
3) Chloromethane	1.217	50	8366	2.713	ug/L	98
5) Vinyl chloride	1.285	62	7866	2.628	ug/L #	82
6) Bromomethane	1.490	94	4920	2.740	ug/L	96
8) Chloroethane	1.548	64	4251	2.390	ug/L	100
9) Trichlorofluoromethane	1.712	101	11138	2.485	ug/L	97
10) 1,1,2-Trichloro-1,2,2-...	2.069	101	7136	2.954	ug/L #	84
12) 1,1-Dichloroethene	2.069	96	6940	3.098	ug/L #	1
13) Acetone	2.124	43	11707	5.615	ug/L	95
14) Carbon disulfide	2.240	76	14951	2.405	ug/L	98
15) Methyl Acetate	2.387	43	6709	2.515	ug/L	99
16) Methylene chloride	2.449	84	6616	2.784	ug/L	95
17) trans-1,2-Dichloroethene	2.699	96	5189	2.393	ug/L	95
18) Methyl tert-butyl Ether	2.706	73	19069	2.449	ug/L	98
19) 1,1-Dichloroethane	3.117	63	10146	2.389	ug/L	92
20) cis-1,2-Dichloroethene	3.821	96	5795	2.463	ug/L	80
22) 2-Butanone	3.924	43	11436m	5.555	ug/L	
23) Bromochloromethane	4.159	128	2770	2.277	ug/L #	87
27) 1,2-Dichloroethane	5.050	62	8689m	2.429	ug/L	

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)	
29) Cyclohexane	4.587	56	8876	2.372	ug/L	#	93
30) 1,1,1-Trichloroethane	4.510	97	9923	2.433	ug/L	#	82
31) Carbon tetrachloride	4.738	117	7954	2.203	ug/L		95
33) Benzene	5.018	78	19520	2.211	ug/L		100
34) Trichloroethene	5.841	95	6403	2.551	ug/L		86
35) Methylcyclohexane	6.050	83	9120	2.390	ug/L		97
37) 1,2-Dichloropropane	6.101	63	6390m	2.764	ug/L		
38) Bromodichloromethane	6.442	83	7910	2.433	ug/L		89
39) cis-1,3-Dichloropropene	6.966	75	9531m	2.545	ug/L		
40) 4-Methyl-2-pentanone	7.165	43	16596	4.869	ug/L	#	93
42) Toluene	7.323	91	22527	2.411	ug/L		92
44) trans-1,3-Dichloropropene	7.590	75	9157m	2.542	ug/L		
45) 1,1,2-Trichloroethane	7.776	97	5323	2.387	ug/L		93
46) Tetrachloroethene	7.911	164	4432	2.375	ug/L		98
48) 2-Hexanone	8.088	43	17648m	6.498	ug/L		
49) Dibromochloromethane	8.181	129	5260	2.235	ug/L		98
50) 1,2-Dibromoethane	8.291	107	5688	2.403	ug/L		92
51) Chlorobenzene	8.815	112	15193	2.515	ug/L		99
52) Ethylbenzene	8.953	91	24206	2.312	ug/L		100
53) m,p-Xylene	9.078	106	8196	2.063	ug/L		92
54) o-Xylene	9.480	106	8540	2.195	ug/L		91
55) Styrene	9.503	104	14144	2.147	ug/L		95
57) 1,1,2,2-Tetrachloroethane	10.178	83	9208	2.749	ug/L	#	90
59) Bromoform	9.673	173	3307	2.191	ug/L	#	92
60) Isopropylbenzene	9.869	105	23656	2.457	ug/L		96
61) 1,2,3-Trichloropropane	10.213	75	7443	2.864	ug/L		97
62) 1,3,5-Trimethylbenzene	10.477	105	19741	2.430	ug/L		99
63) 1,2,4-Trimethylbenzene	10.853	105	18819	2.343	ug/L		100
64) 1,3-Dichlorobenzene	11.123	146	11067	2.486	ug/L		96
65) 1,4-Dichlorobenzene	11.210	146	11805	2.611	ug/L		96
67) 1,2-Dichlorobenzene	11.580	146	12097	2.712	ug/L		91
68) 1,2-Dibromo-3-chloropr...	12.371	75	1913	2.471	ug/L		93
69) 1,3,5-Trichlorobenzene	12.586	180	7370	2.207	ug/L		94
70) 1,2,4-trichlorobenzene	13.200	180	6516	2.168	ug/L		98
71) Naphthalene	13.445	128	17165	2.135	ug/L		98
72) 1,2,3-Trichlorobenzene	13.683	180	6895	2.352	ug/L		99

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

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