

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW071124\
 Data File : VW036494.D
 Acq On : 11 Jul 2024 13:45
 Operator : SY/MD
 Sample : VSTDICV025
 Misc : 5.00g/10.0mL/MSVOA_V/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VICV218

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 07/15/2024
 Supervised By :Mahesh Dadoda 07/15/2024

Quant Time: Jul 12 01:38:49 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM071124SMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Jul 12 01:31:38 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.529	114	309707	25.000	ug/L	0.00
28) Chlorobenzene-d5	8.779	117	316609	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.181	152	181972	25.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.272	65	111590	25.149	ug/L	0.00
Spiked Amount 25.000	Range 30 - 150		Recovery = 100.600%			
7) Chloroethane-d5	1.526	69	95541	24.628	ug/L	0.00
Spiked Amount 25.000	Range 30 - 150		Recovery = 98.520%			
11) 1,1-Dichloroethene-d2	2.050	65	55824	24.500	ug/L	0.00
Spiked Amount 25.000	Range 45 - 110		Recovery = 98.000%			
21) 2-Butanone-d5	3.847	46	38744m	51.016	ug/L	0.00
Spiked Amount 50.000	Range 20 - 135		Recovery = 102.040%			
24) Chloroform-d	4.239	84	212358	23.556	ug/L	0.00
Spiked Amount 25.000	Range 40 - 150		Recovery = 94.240%			
26) 1,2-Dichloroethane-d4	4.934	65	104897	23.460	ug/L	0.00
Spiked Amount 25.000	Range 70 - 130		Recovery = 93.840%			
32) Benzene-d6	4.950	84	399769	25.310	ug/L	0.00
Spiked Amount 25.000	Range 20 - 135		Recovery = 101.240%			
36) 1,2-Dichloropropane-d6	5.982	67	112973	23.999	ug/L	0.00
Spiked Amount 25.000	Range 70 - 120		Recovery = 96.000%			
41) Toluene-d8	7.236	98	389491	26.725	ug/L	0.00
Spiked Amount 25.000	Range 30 - 130		Recovery = 106.920%			
43) trans-1,3-Dichloroprop...	7.548	79	50172	25.635	ug/L	0.00
Spiked Amount 25.000	Range 30 - 135		Recovery = 102.560%			
47) 2-Hexanone-d5	8.030	63	27129	51.889	ug/L	0.00
Spiked Amount 50.000	Range 20 - 135		Recovery = 103.780%			
56) 1,1,2,2-Tetrachloroeth...	10.149	84	91131	22.986	ug/L	0.00
Spiked Amount 25.000	Range 45 - 120		Recovery = 91.960%			
66) 1,2-Dichlorobenzene-d4	11.557	152	148885	24.109	ug/L	0.00
Spiked Amount 25.000	Range 75 - 120		Recovery = 96.440%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.101	85	98862	22.026	ug/L	100
3) Chloromethane	1.211	50	74799	20.766	ug/L	100
5) Vinyl chloride	1.275	62	98371	22.194	ug/L	99
6) Bromomethane	1.481	94	77894	21.781	ug/L	98
8) Chloroethane	1.542	64	67900	22.144	ug/L	99
9) Trichlorofluoromethane	1.706	101	186228	23.673	ug/L	100
10) 1,1,2-Trichloro-1,2,2-...	2.059	101	127200	23.980	ug/L	99
12) 1,1-Dichloroethene	2.059	96	104508	22.842	ug/L	97
13) Acetone	2.153	43	55169m	51.383	ug/L	
14) Carbon disulfide	2.230	76	202201	19.684	ug/L	100
15) Methyl Acetate	2.387	43	33971	23.418	ug/L	95
16) Methylene chloride	2.439	84	196013	30.784	ug/L	99
17) trans-1,2-Dichloroethene	2.686	96	96344	23.172	ug/L	98
18) Methyl tert-butyl Ether	2.699	73	228831	24.561	ug/L	99
19) 1,1-Dichloroethane	3.101	63	176601	23.466	ug/L	99
20) cis-1,2-Dichloroethene	3.805	96	103925	24.049	ug/L	98
22) 2-Butanone	3.915	43	47176m	52.336	ug/L	
23) Bromochloromethane	4.140	128	59099	24.079	ug/L	99
25) Chloroform	4.265	83	211668	23.687	ug/L	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.034	62	124803	24.863	ug/L	100
29) Cyclohexane	4.574	56	97794	24.281	ug/L	99
30) 1,1,1-Trichloroethane	4.503	97	179797	24.429	ug/L	100
31) Carbon tetrachloride	4.725	117	159411	24.422	ug/L	100
33) Benzene	5.001	78	387974	24.762	ug/L	100
34) Trichloroethene	5.825	95	123144	24.699	ug/L	98
35) Methylcyclohexane	6.043	83	141611	24.887	ug/L	98
37) 1,2-Dichloropropane	6.088	63	98269	24.852	ug/L	100
38) Bromodichloromethane	6.426	83	153111	24.438	ug/L	99
39) cis-1,3-Dichloropropene	6.950	75	156531	25.671	ug/L	99
40) 4-Methyl-2-pentanone	7.159	43	94914	52.820	ug/L	97
42) Toluene	7.310	91	439584	26.478	ug/L	100
44) trans-1,3-Dichloropropene	7.577	75	140271	25.801	ug/L	99
45) 1,1,2-Trichloroethane	7.763	97	96271	24.707	ug/L	99
46) Tetrachloroethene	7.898	164	97608	24.212	ug/L	99
48) 2-Hexanone	8.079	43	73896	55.438	ug/L	99
49) Dibromochloromethane	8.172	129	117853	25.013	ug/L	100
50) 1,2-Dibromoethane	8.278	107	92988	25.429	ug/L	99
51) Chlorobenzene	8.808	112	309967	24.930	ug/L	100
52) Ethylbenzene	8.940	91	466872	26.216	ug/L	99
53) m,p-Xylene	9.069	106	185870	27.108	ug/L	99
54) o-Xylene	9.474	106	174897	26.792	ug/L	99
55) Styrene	9.490	104	330894	28.330	ug/L	99
57) 1,1,2,2-Tetrachloroethane	10.175	83	83238	23.395	ug/L	98
59) Bromoform	9.660	173	78530	24.350	ug/L	98
60) Isopropylbenzene	9.863	105	488466	26.869	ug/L	99
61) 1,2,3-Trichloropropane	10.207	75	79052	24.417	ug/L	99
62) 1,3,5-Trimethylbenzene	10.474	105	346503	26.616	ug/L	100
63) 1,2,4-Trimethylbenzene	10.847	105	389032	27.462	ug/L	100
64) 1,3-Dichlorobenzene	11.114	146	277473	25.819	ug/L	99
65) 1,4-Dichlorobenzene	11.204	146	291123	25.227	ug/L	99
67) 1,2-Dichlorobenzene	11.574	146	263215	25.487	ug/L	99
68) 1,2-Dibromo-3-chloropr...	12.361	75	18302	26.127	ug/L	97
69) 1,3,5-Trichlorobenzene	12.580	180	216291	25.992	ug/L	99
70) 1,2,4-trichlorobenzene	13.194	180	177107	26.760	ug/L	98
71) Naphthalene	13.435	128	271332	27.297	ug/L	100
72) 1,2,3-Trichlorobenzene	13.676	180	173593	27.724	ug/L	100

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

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