

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW052424\
 Data File : VW035732.D
 Acq On : 24 May 2024 08:20
 Operator : SY/MD
 Sample : VSTDCCC025
 Misc : 5.00g/10.0mL/MSVOA_V/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD025375

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 05/28/2024
 Supervised By :Mahesh Dadoda 05/28/2024

Quant Time: May 24 23:34:09 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM050624SMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri May 24 05:19:06 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.529	114	516875	25.000	ug/L	0.00
28) Chlorobenzene-d5	8.783	117	517130	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.181	152	288748	25.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.275	65	244212	30.569	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	= 122.280%	
7) Chloroethane-d5	1.529	69	188837	29.300	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	= 117.200%	
11) 1,1-Dichloroethene-d2	2.053	65	102749	29.051	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	= 116.200%#	
21) 2-Butanone-d5	3.841	46	101287m	44.675	ug/L	0.01
Spiked Amount	50.000	Range	20 - 135	Recovery	= 89.360%	
24) Chloroform-d	4.243	84	410167	26.692	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	= 106.760%	
26) 1,2-Dichloroethane-d4	4.937	65	206787	27.221	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	= 108.880%	
32) Benzene-d6	4.953	84	801093	28.300	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	= 113.200%	
36) 1,2-Dichloropropane-d6	5.985	67	240379	27.516	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	= 110.080%	
41) Toluene-d8	7.239	98	743245	29.501	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	= 118.000%	
43) trans-1,3-Dichloroprop...	7.548	79	104218	27.895	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	= 111.560%	
47) 2-Hexanone-d5	8.030	63	68812	43.805	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	= 87.620%	
56) 1,1,2,2-Tetrachloroeth...	10.149	84	190011	22.572	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	= 90.280%	
66) 1,2-Dichlorobenzene-d4	11.558	152	263823	26.327	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	= 105.320%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.105	85	229959	21.883	ug/L	100
3) Chloromethane	1.214	50	217168	20.583	ug/L	99
5) Vinyl chloride	1.278	62	248460	22.794	ug/L	99
6) Bromomethane	1.484	94	153366	22.222	ug/L	99
8) Chloroethane	1.545	64	161517	24.038	ug/L	99
9) Trichlorofluoromethane	1.709	101	357584	25.134	ug/L	100
10) 1,1,2-Trichloro-1,2,2-...	2.063	101	239158	26.642	ug/L	99
12) 1,1-Dichloroethene	2.063	96	200616	24.743	ug/L #	78
13) Acetone	2.156	43	132412m	39.897	ug/L	
14) Carbon disulfide	2.233	76	500728	19.498	ug/L	100
15) Methyl Acetate	2.387	43	103714	20.626	ug/L #	90
16) Methylene chloride	2.442	84	263906	22.141	ug/L	96
17) trans-1,2-Dichloroethene	2.690	96	216779	24.083	ug/L	99
18) Methyl tert-butyl Ether	2.703	73	578989	26.666	ug/L	99
19) 1,1-Dichloroethane	3.104	63	450757	26.712	ug/L	99
20) cis-1,2-Dichloroethene	3.809	96	242391	24.840	ug/L	98
22) 2-Butanone	3.912	43	144534m	46.895	ug/L	
23) Bromochloromethane	4.143	128	121753	25.798	ug/L	97
25) Chloroform	4.268	83	477390	27.396	ug/L	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.037	62	296878	27.360	ug/L	100
29) Cyclohexane	4.577	56	309499	25.027	ug/L	98
30) 1,1,1-Trichloroethane	4.506	97	403874	28.167	ug/L	99
31) Carbon tetrachloride	4.728	117	346575	27.548	ug/L	99
33) Benzene	5.005	78	941501	27.509	ug/L	100
34) Trichloroethene	5.828	95	272214	28.118	ug/L	98
35) Methylcyclohexane	6.047	83	371001	25.242	ug/L	98
37) 1,2-Dichloropropane	6.088	63	260785	29.205	ug/L	99
38) Bromodichloromethane	6.429	83	347994	28.768	ug/L	99
39) cis-1,3-Dichloropropene	6.950	75	388184	27.794	ug/L	99
40) 4-Methyl-2-pentanone	7.159	43	297559	55.641	ug/L	98
42) Toluene	7.310	91	1021500	28.203	ug/L	100
44) trans-1,3-Dichloropropene	7.577	75	349166	28.579	ug/L	99
45) 1,1,2-Trichloroethane	7.767	97	217907	28.720	ug/L	99
46) Tetrachloroethene	7.902	164	203823	25.914	ug/L	98
48) 2-Hexanone	8.079	43	216450	53.982	ug/L	96
49) Dibromochloromethane	8.172	129	242105	28.280	ug/L	100
50) 1,2-Dibromoethane	8.278	107	205772	27.530	ug/L	99
51) Chlorobenzene	8.808	112	678781	27.008	ug/L	99
52) Ethylbenzene	8.944	91	1132464	28.318	ug/L	100
53) m,p-Xylene	9.069	106	434053	28.608	ug/L	100
54) o-Xylene	9.474	106	412805	28.707	ug/L	99
55) Styrene	9.493	104	766195	30.549	ug/L	99
57) 1,1,2,2-Tetrachloroethane	10.175	83	225262	24.373	ug/L	99
59) Bromoform	9.664	173	159496	28.107	ug/L	99
60) Isopropylbenzene	9.863	105	1170281	30.426	ug/L	99
61) 1,2,3-Trichloropropane	10.207	75	195677	28.920	ug/L	99
62) 1,3,5-Trimethylbenzene	10.474	105	945420	31.333	ug/L	100
63) 1,2,4-Trimethylbenzene	10.847	105	953222	30.742	ug/L	100
64) 1,3-Dichlorobenzene	11.114	146	583446	28.904	ug/L	99
65) 1,4-Dichlorobenzene	11.207	146	599037	28.667	ug/L	100
67) 1,2-Dichlorobenzene	11.577	146	548125	28.847	ug/L	99
68) 1,2-Dibromo-3-chloropr...	12.361	75	43331	27.612	ug/L	92
69) 1,3,5-Trichlorobenzene	12.580	180	442128	28.029	ug/L	100
70) 1,2,4-trichlorobenzene	13.194	180	359721	27.311	ug/L	99
71) Naphthalene	13.435	128	593854	25.682	ug/L	100
72) 1,2,3-Trichlorobenzene	13.676	180	336649	28.412	ug/L	99

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

