

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW062524\
 Data File : VW036283.D
 Acq On : 25 Jun 2024 20:14
 Operator : SY/MD
 Sample : VSTDCCC025EC
 Misc : 5.00g/10.0mL/MSVOA_V/SOIL
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD025305

Quant Time: Jun 26 04:26:06 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM053024SMA.M
 Quant Title : VOC Analysis
 QLast Update : Wed Jun 26 04:03:41 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.532	114	413828	25.000	ug/L	0.00
28) Chlorobenzene-d5	8.783	117	421297	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.185	152	227626	25.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.272	65	132043	17.355	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	69.440%
7) Chloroethane-d5	1.526	69	115312	19.008	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	76.040%
11) 1,1-Dichloroethene-d2	2.050	65	58344	17.226	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	68.920%
21) 2-Butanone-d5	3.841	46	101732	58.279	ug/L	-0.02
Spiked Amount	50.000	Range	20 - 135	Recovery	=	116.560%
24) Chloroform-d	4.243	84	308134	23.421	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	93.680%
26) 1,2-Dichloroethane-d4	4.940	65	169344	24.550	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	98.200%
32) Benzene-d6	4.953	84	575328	22.974	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	91.880%
36) 1,2-Dichloropropane-d6	5.985	67	175412	22.243	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	88.960%
41) Toluene-d8	7.239	98	537752	24.337	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	97.360%
43) trans-1,3-Dichloroprop...	7.551	79	76766	23.740	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	94.960%
47) 2-Hexanone-d5	8.030	63	76377	71.482	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	142.960%#
56) 1,1,2,2-Tetrachloroeth...	10.149	84	156879	26.621	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	106.480%
66) 1,2-Dichlorobenzene-d4	11.557	152	217275	26.029	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	104.120%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.105	85	133817	17.934	ug/L	99
3) Chloromethane	1.211	50	143326	16.737	ug/L	99
5) Vinyl chloride	1.278	62	166671	18.488	ug/L	99
6) Bromomethane	1.484	94	117751	21.055	ug/L	100
8) Chloroethane	1.545	64	107050	19.104	ug/L	97
9) Trichlorofluoromethane	1.706	101	239835	21.422	ug/L	100
10) 1,1,2-Trichloro-1,2,2-...	2.059	101	142898	20.112	ug/L	94
12) 1,1-Dichloroethene	2.063	96	137720	20.782	ug/L	81
13) Acetone	2.156	43	64053	23.556	ug/L	98
14) Carbon disulfide	2.230	76	412370	17.919	ug/L	100
15) Methyl Acetate	2.387	43	73077	21.622	ug/L	93
16) Methylene chloride	2.439	84	187470	20.020	ug/L	93
17) trans-1,2-Dichloroethene	2.686	96	152628	21.682	ug/L	92
18) Methyl tert-butyl Ether	2.703	73	407137	25.763	ug/L	97
19) 1,1-Dichloroethane	3.108	63	274382	20.467	ug/L	99
20) cis-1,2-Dichloroethene	3.812	96	166373	23.521	ug/L	98
22) 2-Butanone	3.918	43	82962	35.957	ug/L #	66
23) Bromochloromethane	4.146	128	86878	24.486	ug/L #	84
25) Chloroform	4.272	83	311646	22.599	ug/L	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.040	62	202519	23.523	ug/L	100
29) Cyclohexane	4.577	56	185297	18.473	ug/L	90
30) 1,1,1-Trichloroethane	4.506	97	254188	22.070	ug/L	96
31) Carbon tetrachloride	4.728	117	225438	22.311	ug/L	100
33) Benzene	5.005	78	613021	22.248	ug/L	100
34) Trichloroethene	5.828	95	199019	23.567	ug/L	97
35) Methylcyclohexane	6.046	83	230866	19.769	ug/L	95
37) 1,2-Dichloropropane	6.091	63	154427	21.344	ug/L	98
38) Bromodichloromethane	6.429	83	221786	23.160	ug/L	100
39) cis-1,3-Dichloropropene	6.953	75	238047	21.998	ug/L	100
40) 4-Methyl-2-pentanone	7.159	43	197103	50.142	ug/L #	94
42) Toluene	7.313	91	667703	23.715	ug/L	99
44) trans-1,3-Dichloropropene	7.580	75	218764	23.405	ug/L	98
45) 1,1,2-Trichloroethane	7.767	97	143753	24.013	ug/L	99
46) Tetrachloroethene	7.902	164	133793	21.662	ug/L	99
48) 2-Hexanone	8.079	43	140177	45.614	ug/L #	94
49) Dibromochloromethane	8.175	129	164359	25.086	ug/L	99
50) 1,2-Dibromoethane	8.281	107	149170	25.969	ug/L	98
51) Chlorobenzene	8.812	112	450757	23.497	ug/L	97
52) Ethylbenzene	8.943	91	698946	23.203	ug/L	98
53) m,p-Xylene	9.072	106	274733	24.272	ug/L	96
54) o-Xylene	9.477	106	262616	24.603	ug/L	96
55) Styrene	9.493	104	465515	24.731	ug/L	98
57) 1,1,2,2-Tetrachloroethane	10.175	83	120318	22.446	ug/L	99
59) Bromoform	9.664	173	110499	25.741	ug/L	99
60) Isopropylbenzene	9.866	105	687852	23.554	ug/L	99
61) 1,2,3-Trichloropropane	10.207	75	137474	25.536	ug/L	98
62) 1,3,5-Trimethylbenzene	10.474	105	502425	23.726	ug/L	99
63) 1,2,4-Trimethylbenzene	10.850	105	563451	24.696	ug/L	100
64) 1,3-Dichlorobenzene	11.114	146	353788	23.069	ug/L	100
65) 1,4-Dichlorobenzene	11.207	146	356575	22.526	ug/L	99
67) 1,2-Dichlorobenzene	11.577	146	342483	23.731	ug/L	99
68) 1,2-Dibromo-3-chloropr...	12.365	75	34103	28.329	ug/L	87
69) 1,3,5-Trichlorobenzene	12.580	180	255203	22.246	ug/L	100
70) 1,2,4-trichlorobenzene	13.197	180	221845	24.561	ug/L	100
71) Naphthalene	13.435	128	513672	34.847	ug/L	99
72) 1,2,3-Trichlorobenzene	13.676	180	218297	26.484	ug/L	99

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

