

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW060424\
 Data File : VW035965.D
 Acq On : 04 Jun 2024 09:00
 Operator : SY/MD
 Sample : VSTDCCC025
 Misc : 5.00g/10.0mL/MSVOA_V/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD025391

Quant Time: Jun 05 03:56:30 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM053024SMA.M
 Quant Title : VOC Analysis
 QLast Update : Tue Jun 04 02:12:20 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.526	114	473178	25.000	ug/L	0.00
28) Chlorobenzene-d5	8.780	117	473800	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.182	152	256519	25.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.272	65	188324	21.648	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	86.600%
7) Chloroethane-d5	1.526	69	153731	22.162	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	88.640%
11) 1,1-Dichloroethene-d2	2.050	65	81684	21.092	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	84.360%
21) 2-Butanone-d5	3.847	46	90889m	45.537	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	91.080%
24) Chloroform-d	4.240	84	346020	23.001	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	92.000%
26) 1,2-Dichloroethane-d4	4.934	65	178055	22.575	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	90.280%
32) Benzene-d6	4.950	84	659549	23.418	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	93.680%
36) 1,2-Dichloropropane-d6	5.982	67	204107	23.013	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	92.040%
41) Toluene-d8	7.236	98	587488	23.642	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	94.560%
43) trans-1,3-Dichloroprop...	7.548	79	82413	22.663	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	90.640%
47) 2-Hexanone-d5	8.027	63	55455	46.150	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	92.300%
56) 1,1,2,2-Tetrachloroeth...	10.149	84	143038	21.582	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	86.320%
66) 1,2-Dichlorobenzene-d4	11.558	152	202362	21.512	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	86.040%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.102	85	187364	21.961	ug/L	99
3) Chloromethane	1.211	50	219440	22.412	ug/L	99
5) Vinyl chloride	1.275	62	245097	23.777	ug/L	98
6) Bromomethane	1.481	94	145999	22.831	ug/L	100
8) Chloroethane	1.542	64	150813	23.538	ug/L	100
9) Trichlorofluoromethane	1.706	101	300171	23.449	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.060	101	197310	24.287	ug/L	98
12) 1,1-Dichloroethene	2.060	96	178832	23.601	ug/L	96
13) Acetone	2.150	43	151737m	48.804	ug/L	
14) Carbon disulfide	2.230	76	607785	23.098	ug/L	100
15) Methyl Acetate	2.384	43	98139m	25.395	ug/L	
16) Methylene chloride	2.439	84	222005	20.734	ug/L	100
17) trans-1,2-Dichloroethene	2.687	96	188235	23.386	ug/L	97
18) Methyl tert-butyl Ether	2.700	73	442643	24.496	ug/L	99
19) 1,1-Dichloroethane	3.101	63	369676	24.117	ug/L	99
20) cis-1,2-Dichloroethene	3.806	96	188474	23.303	ug/L	99
22) 2-Butanone	3.912	43	135093m	51.207	ug/L	
23) Bromochloromethane	4.137	128	99473	24.519	ug/L	99
25) Chloroform	4.265	83	378648	24.014	ug/L	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.034	62	239875	24.367	ug/L	100
29) Cyclohexane	4.574	56	273509	24.245	ug/L	98
30) 1,1,1-Trichloroethane	4.503	97	308902	23.848	ug/L	100
31) Carbon tetrachloride	4.725	117	272320	23.965	ug/L	100
33) Benzene	5.002	78	776554	25.060	ug/L	100
34) Trichloroethene	5.825	95	229413	24.155	ug/L	99
35) Methylcyclohexane	6.043	83	320338	24.390	ug/L	99
37) 1,2-Dichloropropane	6.085	63	213389	26.225	ug/L	99
38) Bromodichloromethane	6.426	83	268144	24.898	ug/L	99
39) cis-1,3-Dichloropropene	6.947	75	300194	24.667	ug/L	100
40) 4-Methyl-2-pentanone	7.156	43	215623	48.775	ug/L	100
42) Toluene	7.310	91	818533	25.850	ug/L	99
44) trans-1,3-Dichloropropene	7.577	75	270275	25.711	ug/L	98
45) 1,1,2-Trichloroethane	7.764	97	166307	24.702	ug/L	99
46) Tetrachloroethene	7.899	164	162991	23.465	ug/L	99
48) 2-Hexanone	8.076	43	181815	52.607	ug/L	99
49) Dibromochloromethane	8.172	129	182349	24.748	ug/L	99
50) 1,2-Dibromoethane	8.278	107	158067	24.469	ug/L	99
51) Chlorobenzene	8.809	112	517837	24.002	ug/L	100
52) Ethylbenzene	8.944	91	845409	24.955	ug/L	99
53) m,p-Xylene	9.069	106	324473	25.490	ug/L	98
54) o-Xylene	9.474	106	298533	24.869	ug/L	98
55) Styrene	9.490	104	563034	26.597	ug/L	100
57) 1,1,2,2-Tetrachloroethane	10.175	83	139537	23.147	ug/L	99
59) Bromoform	9.661	173	117381	24.264	ug/L	99
60) Isopropylbenzene	9.863	105	811387	24.655	ug/L	100
61) 1,2,3-Trichloropropane	10.207	75	147491	24.311	ug/L	97
62) 1,3,5-Trimethylbenzene	10.474	105	574203	24.061	ug/L	99
63) 1,2,4-Trimethylbenzene	10.847	105	639828	24.885	ug/L	100
64) 1,3-Dichlorobenzene	11.114	146	407745	23.592	ug/L	100
65) 1,4-Dichlorobenzene	11.204	146	423797	23.757	ug/L	100
67) 1,2-Dichlorobenzene	11.574	146	384333	23.631	ug/L	100
68) 1,2-Dibromo-3-chloropr...	12.362	75	30799	22.702	ug/L	97
69) 1,3,5-Trichlorobenzene	12.577	180	291709	22.564	ug/L	100
70) 1,2,4-trichlorobenzene	13.194	180	215294	21.151	ug/L	99
71) Naphthalene	13.435	128	353728	21.294	ug/L	99
72) 1,2,3-Trichlorobenzene	13.677	180	206487	22.230	ug/L	99

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

