

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW050724\
 Data File : VW035545.D
 Acq On : 07 May 2024 10:33
 Operator : SY/MD
 Sample : VSTDCCC025
 Misc : 5.00g/10.0mL/MSVOA_V/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD025353

Quant Time: May 08 02:21:45 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM050624SMA.M
 Quant Title : VOC Analysis
 QLast Update : Wed May 08 01:49:05 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.529	114	424616	25.000	ug/L	0.00
28) Chlorobenzene-d5	8.783	117	448049	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.181	152	261802	25.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.275	65	172855	26.338	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	= 105.360%	
7) Chloroethane-d5	1.529	69	138066	26.077	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	= 104.320%	
11) 1,1-Dichloroethene-d2	2.053	65	72297	24.883	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	= 99.520%	
21) 2-Butanone-d5	3.838	46	96082m	51.587	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	= 103.180%	
24) Chloroform-d	4.243	84	326574	25.870	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	= 103.480%	
26) 1,2-Dichloroethane-d4	4.937	65	165583	26.533	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	= 106.120%	
32) Benzene-d6	4.953	84	643113	26.222	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	= 104.880%	
36) 1,2-Dichloropropane-d6	5.985	67	192351	25.413	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	= 101.640%	
41) Toluene-d8	7.239	98	603367	27.642	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	= 110.560%	
43) trans-1,3-Dichloroprop...	7.551	79	87909	27.157	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	= 108.640%	
47) 2-Hexanone-d5	8.030	63	68178	50.094	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	= 100.180%	
56) 1,1,2,2-Tetrachloroeth...	10.149	84	178681	24.499	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	= 98.000%	
66) 1,2-Dichlorobenzene-d4	11.558	152	223081	24.553	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	= 98.200%	
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.105	85	192473	22.296	ug/L	99
3) Chloromethane	1.214	50	198190	22.866	ug/L	99
5) Vinyl chloride	1.281	62	208238	23.255	ug/L	99
6) Bromomethane	1.484	94	138820	24.484	ug/L	99
8) Chloroethane	1.545	64	136582	24.744	ug/L	98
9) Trichlorofluoromethane	1.709	101	277474	23.740	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.063	101	179197	24.300	ug/L	100
12) 1,1-Dichloroethene	2.066	96	161624	24.265	ug/L	96
13) Acetone	2.156	43	139015	50.988	ug/L	95
14) Carbon disulfide	2.233	76	456685	21.646	ug/L	99
15) Methyl Acetate	2.384	43	98543	23.856	ug/L #	90
16) Methylene chloride	2.442	84	218647	22.330	ug/L	97
17) trans-1,2-Dichloroethene	2.690	96	184863	25.000	ug/L	97
18) Methyl tert-butyl Ether	2.703	73	508485	28.507	ug/L	99
19) 1,1-Dichloroethane	3.104	63	370197	26.704	ug/L	99
20) cis-1,2-Dichloroethene	3.809	96	215224	26.849	ug/L	99
22) 2-Butanone	3.908	43	144615m	57.116	ug/L	
23) Bromochloromethane	4.143	128	105308	27.161	ug/L	99
25) Chloroform	4.268	83	387100	27.042	ug/L	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.037	62	245605	27.553	ug/L	100
29) Cyclohexane	4.574	56	247126	23.065	ug/L	100
30) 1,1,1-Trichloroethane	4.506	97	310617	25.003	ug/L	100
31) Carbon tetrachloride	4.728	117	268097	24.596	ug/L	100
33) Benzene	5.005	78	779662	26.292	ug/L	100
34) Trichloroethene	5.828	95	214019	25.515	ug/L	96
35) Methylcyclohexane	6.043	83	294454	23.122	ug/L	99
37) 1,2-Dichloropropane	6.088	63	211016	27.275	ug/L	99
38) Bromodichloromethane	6.429	83	284201	27.117	ug/L	99
39) cis-1,3-Dichloropropene	6.950	75	337129	27.860	ug/L	99
40) 4-Methyl-2-pentanone	7.159	43	273602	59.049	ug/L	99
42) Toluene	7.310	91	843984	26.894	ug/L	99
44) trans-1,3-Dichloropropene	7.577	75	299403	28.284	ug/L	98
45) 1,1,2-Trichloroethane	7.763	97	182547	27.770	ug/L	99
46) Tetrachloroethene	7.902	164	169420	24.861	ug/L	99
48) 2-Hexanone	8.075	43	202152	58.189	ug/L	99
49) Dibromochloromethane	8.172	129	204256	27.537	ug/L	98
50) 1,2-Dibromoethane	8.278	107	177560	27.418	ug/L	99
51) Chlorobenzene	8.808	112	577783	26.534	ug/L	99
52) Ethylbenzene	8.944	91	935465	26.999	ug/L	100
53) m,p-Xylene	9.069	106	356455	27.116	ug/L	99
54) o-Xylene	9.474	106	344877	27.681	ug/L	95
55) Styrene	9.493	104	632573	29.110	ug/L	100
57) 1,1,2,2-Tetrachloroethane	10.175	83	224472	28.032	ug/L	98
59) Bromoform	9.661	173	142113	27.622	ug/L	99
60) Isopropylbenzene	9.863	105	944747	27.090	ug/L	100
61) 1,2,3-Trichloropropane	10.207	75	170432	27.781	ug/L	100
62) 1,3,5-Trimethylbenzene	10.474	105	785080	28.697	ug/L	100
63) 1,2,4-Trimethylbenzene	10.847	105	796919	28.347	ug/L	100
64) 1,3-Dichlorobenzene	11.114	146	491107	26.834	ug/L	99
65) 1,4-Dichlorobenzene	11.204	146	501408	26.464	ug/L	99
67) 1,2-Dichlorobenzene	11.577	146	462685	26.857	ug/L	99
68) 1,2-Dibromo-3-chloropr...	12.361	75	40824	28.693	ug/L	98
69) 1,3,5-Trichlorobenzene	12.580	180	380814	26.627	ug/L	100
70) 1,2,4-trichlorobenzene	13.194	180	324346	27.160	ug/L	100
71) Naphthalene	13.435	128	600443	28.640	ug/L	100
72) 1,2,3-Trichlorobenzene	13.676	180	307636	28.635	ug/L	100

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

