

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW060324\
 Data File : VW035942.D
 Acq On : 03 Jun 2024 08:48
 Operator : SY/MD
 Sample : VSTDCCC025
 Misc : 5.00g/10.0mL/MSVOA_V/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD025389

Quant Time: Jun 04 02:06:11 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM053024SMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri May 31 22:59:48 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.526	114	482557	25.000	ug/L	0.00
28) Chlorobenzene-d5	8.780	117	493790	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.182	152	277321	25.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.275	65	202557	22.832	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	91.320%
7) Chloroethane-d5	1.526	69	161649	22.851	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	91.400%
11) 1,1-Dichloroethene-d2	2.050	65	87979	22.276	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	89.120%
21) 2-Butanone-d5	3.847	46	84935	41.726	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	83.460%
24) Chloroform-d	4.240	84	338309	22.052	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	88.200%
26) 1,2-Dichloroethane-d4	4.934	65	178265	22.162	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	88.640%
32) Benzene-d6	4.950	84	664126	22.626	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	90.520%
36) 1,2-Dichloropropane-d6	5.982	67	205409	22.223	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	88.880%
41) Toluene-d8	7.236	98	607780	23.468	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	93.880%
43) trans-1,3-Dichloroprop...	7.548	79	84616	22.326	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	89.320%
47) 2-Hexanone-d5	8.031	63	55970	44.693	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	89.380%
56) 1,1,2,2-Tetrachloroeth...	10.149	84	142559	20.639	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	82.560%
66) 1,2-Dichlorobenzene-d4	11.558	152	213990	21.042	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	84.160%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.105	85	199517	22.931	ug/L	98
3) Chloromethane	1.211	50	240561	24.091	ug/L	100
5) Vinyl chloride	1.278	62	251555	23.930	ug/L	100
6) Bromomethane	1.484	94	151832	23.282	ug/L	100
8) Chloroethane	1.545	64	155663	23.823	ug/L	99
9) Trichlorofluoromethane	1.709	101	311381	23.852	ug/L	100
10) 1,1,2-Trichloro-1,2,2-...	2.060	101	197957	23.893	ug/L	99
12) 1,1-Dichloroethene	2.063	96	184084	23.822	ug/L	97
13) Acetone	2.150	43	154656	48.776	ug/L	96
14) Carbon disulfide	2.233	76	627828	23.396	ug/L	100
15) Methyl Acetate	2.384	43	86959	22.064	ug/L	98
16) Methylene chloride	2.439	84	214886	19.679	ug/L	98
17) trans-1,2-Dichloroethene	2.687	96	193339	23.553	ug/L	96
18) Methyl tert-butyl Ether	2.700	73	434157	23.560	ug/L	99
19) 1,1-Dichloroethane	3.105	63	369451	23.634	ug/L	100
20) cis-1,2-Dichloroethene	3.806	96	188462	22.849	ug/L	99
22) 2-Butanone	3.905	43	133049m	49.452	ug/L	
23) Bromochloromethane	4.140	128	99111	23.955	ug/L	97
25) Chloroform	4.265	83	380965	23.691	ug/L	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.034	62	245744	24.478	ug/L	100
29) Cyclohexane	4.574	56	285019	24.243	ug/L	100
30) 1,1,1-Trichloroethane	4.503	97	319145	23.641	ug/L	99
31) Carbon tetrachloride	4.725	117	281357	23.757	ug/L	100
33) Benzene	5.002	78	789576	24.449	ug/L	100
34) Trichloroethene	5.825	95	236519	23.896	ug/L	99
35) Methylcyclohexane	6.043	83	338209	24.708	ug/L	98
37) 1,2-Dichloropropane	6.085	63	212014	25.001	ug/L	100
38) Bromodichloromethane	6.426	83	267344	23.819	ug/L	99
39) cis-1,3-Dichloropropene	6.947	75	297354	23.444	ug/L	98
40) 4-Methyl-2-pentanone	7.159	43	225556	48.957	ug/L	99
42) Toluene	7.310	91	846638	25.656	ug/L	98
44) trans-1,3-Dichloropropene	7.577	75	273066	24.925	ug/L	97
45) 1,1,2-Trichloroethane	7.764	97	164791	23.486	ug/L	98
46) Tetrachloroethene	7.899	164	170417	23.541	ug/L	99
48) 2-Hexanone	8.076	43	193258	53.655	ug/L	100
49) Dibromochloromethane	8.172	129	182025	23.704	ug/L	97
50) 1,2-Dibromoethane	8.278	107	161870	24.043	ug/L	100
51) Chlorobenzene	8.809	112	531076	23.619	ug/L	99
52) Ethylbenzene	8.940	91	885169	25.071	ug/L	99
53) m,p-Xylene	9.069	106	338198	25.493	ug/L	99
54) o-Xylene	9.474	106	310261	24.800	ug/L	99
55) Styrene	9.490	104	587797	26.643	ug/L	100
57) 1,1,2,2-Tetrachloroethane	10.175	83	139161	22.150	ug/L	99
59) Bromoform	9.661	173	119475	22.845	ug/L	99
60) Isopropylbenzene	9.863	105	870472	24.466	ug/L	100
61) 1,2,3-Trichloropropane	10.207	75	149068	22.728	ug/L	98
62) 1,3,5-Trimethylbenzene	10.474	105	619117	23.997	ug/L	99
63) 1,2,4-Trimethylbenzene	10.847	105	692538	24.914	ug/L	100
64) 1,3-Dichlorobenzene	11.114	146	434537	23.257	ug/L	99
65) 1,4-Dichlorobenzene	11.204	146	454193	23.551	ug/L	100
67) 1,2-Dichlorobenzene	11.574	146	409029	23.263	ug/L	99
68) 1,2-Dibromo-3-chloropr...	12.362	75	33582	22.897	ug/L	97
69) 1,3,5-Trichlorobenzene	12.577	180	324572	23.223	ug/L	99
70) 1,2,4-trichlorobenzene	13.194	180	264961	24.077	ug/L	100
71) Naphthalene	13.435	128	433409	24.133	ug/L	99
72) 1,2,3-Trichlorobenzene	13.677	180	258846	25.776	ug/L	99

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

