

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW061224\
 Data File : VW036042.D
 Acq On : 12 Jun 2024 09:27
 Operator : SY/MD
 Sample : VSTDCCC025
 Misc : 5.00g/10.0mL/MSVOA_V/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD025399

Quant Time: Jun 13 02:07:03 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM053024SMA.M
 Quant Title : VOC Analysis
 QLast Update : Wed Jun 12 02:05:45 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.529	114	358160	25.000	ug/L	0.00
28) Chlorobenzene-d5	8.779	117	337429	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.181	152	167169	25.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.275	65	140295	21.306	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	85.240%
7) Chloroethane-d5	1.529	69	121290	23.101	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	92.400%
11) 1,1-Dichloroethene-d2	2.053	65	61581	21.008	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	84.040%
21) 2-Butanone-d5	3.825	46	62966	41.678	ug/L	0.02
Spiked Amount	50.000	Range	20 - 135	Recovery	=	83.360%
24) Chloroform-d	4.243	84	262809	23.080	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	92.320%
26) 1,2-Dichloroethane-d4	4.937	65	123183	20.633	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	82.520%
32) Benzene-d6	4.953	84	497968	24.827	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	99.320%
36) 1,2-Dichloropropane-d6	5.982	67	151528	23.990	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	95.960%
41) Toluene-d8	7.236	98	433608	24.501	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	98.000%
43) trans-1,3-Dichloroprop...	7.551	79	57073	22.037	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	88.160%
47) 2-Hexanone-d5	8.030	63	38079	44.496	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	89.000%
56) 1,1,2,2-Tetrachloroeth...	10.149	84	105975	22.452	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	89.800%
66) 1,2-Dichlorobenzene-d4	11.557	152	136430	22.255	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	89.040%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.105	85	140616	21.774	ug/L	100
3) Chloromethane	1.211	50	179841	24.266	ug/L	99
5) Vinyl chloride	1.278	62	198463	25.436	ug/L	100
6) Bromomethane	1.484	94	119089	24.604	ug/L	99
8) Chloroethane	1.545	64	125340	25.844	ug/L	98
9) Trichlorofluoromethane	1.709	101	252026	26.010	ug/L	100
10) 1,1,2-Trichloro-1,2,2-...	2.063	101	155032	25.211	ug/L	99
12) 1,1-Dichloroethene	2.063	96	143009	24.935	ug/L	98
13) Acetone	2.140	43	108239	45.993	ug/L #	46
14) Carbon disulfide	2.233	76	460099	23.101	ug/L	100
15) Methyl Acetate	2.384	43	62523	21.374	ug/L	96
16) Methylene chloride	2.442	84	165718	20.448	ug/L	98
17) trans-1,2-Dichloroethene	2.686	96	149112	24.475	ug/L	99
18) Methyl tert-butyl Ether	2.699	73	300403	21.963	ug/L	98
19) 1,1-Dichloroethane	3.104	63	297228	25.618	ug/L	100
20) cis-1,2-Dichloroethene	3.809	96	150440	24.574	ug/L	100
22) 2-Butanone	3.905	43	81193	40.660	ug/L	84
23) Bromochloromethane	4.140	128	69834	22.741	ug/L	96
25) Chloroform	4.268	83	295288	24.741	ug/L	97

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.034	62	173168	23.240	ug/L	100
29) Cyclohexane	4.574	56	216618	26.963	ug/L	99
30) 1,1,1-Trichloroethane	4.503	97	256048	27.757	ug/L	99
31) Carbon tetrachloride	4.725	117	224291	27.715	ug/L	99
33) Benzene	5.001	78	613396	27.795	ug/L	100
34) Trichloroethene	5.828	95	177370	26.223	ug/L	99
35) Methylcyclohexane	6.043	83	241091	25.775	ug/L	98
37) 1,2-Dichloropropane	6.085	63	156952	27.085	ug/L	100
38) Bromodichloromethane	6.426	83	197185	25.709	ug/L	98
39) cis-1,3-Dichloropropene	6.950	75	216791	25.013	ug/L	100
40) 4-Methyl-2-pentanone	7.156	43	144140	45.783	ug/L	99
42) Toluene	7.310	91	631408	28.000	ug/L	99
44) trans-1,3-Dichloropropene	7.577	75	188918	25.235	ug/L	98
45) 1,1,2-Trichloroethane	7.763	97	114035	23.783	ug/L	99
46) Tetrachloroethene	7.898	164	124982	25.265	ug/L	99
48) 2-Hexanone	8.075	43	115254	46.826	ug/L	99
49) Dibromochloromethane	8.172	129	124732	23.769	ug/L	98
50) 1,2-Dibromoethane	8.278	107	107717	23.413	ug/L	99
51) Chlorobenzene	8.808	112	386706	25.168	ug/L	98
52) Ethylbenzene	8.943	91	650684	26.969	ug/L	99
53) m,p-Xylene	9.069	106	244011	26.916	ug/L	100
54) o-Xylene	9.474	106	224133	26.217	ug/L	97
55) Styrene	9.493	104	405046	26.867	ug/L	99
57) 1,1,2,2-Tetrachloroethane	10.175	83	103303	24.061	ug/L	98
59) Bromoform	9.660	173	77185	24.483	ug/L	100
60) Isopropylbenzene	9.863	105	624523	29.120	ug/L	100
61) 1,2,3-Trichloropropane	10.207	75	96798	24.483	ug/L	98
62) 1,3,5-Trimethylbenzene	10.474	105	423228	27.214	ug/L	99
63) 1,2,4-Trimethylbenzene	10.847	105	452405	27.000	ug/L	99
64) 1,3-Dichlorobenzene	11.114	146	287249	25.504	ug/L	99
65) 1,4-Dichlorobenzene	11.204	146	289066	24.865	ug/L	100
67) 1,2-Dichlorobenzene	11.577	146	259120	24.448	ug/L	99
68) 1,2-Dibromo-3-chloropr...	12.361	75	20911	23.652	ug/L	98
69) 1,3,5-Trichlorobenzene	12.577	180	190338	22.592	ug/L	99
70) 1,2,4-trichlorobenzene	13.194	180	140677	21.207	ug/L	100
71) Naphthalene	13.435	128	215306	19.888	ug/L	100
72) 1,2,3-Trichlorobenzene	13.676	180	129917	21.462	ug/L	98

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

