

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW053124\
 Data File : VW035914.D
 Acq On : 31 May 2024 08:24
 Operator : SY/MD
 Sample : VSTDCCC025
 Misc : 5.00g/10.0mL/MSVOA_V/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD025387

Quant Time: May 31 22:56:41 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM053024SMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri May 31 00:49:35 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.529	114	488345	25.000	ug/L	0.00
28) Chlorobenzene-d5	8.780	117	496425	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.181	152	277316	25.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.275	65	200811	22.366	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	89.480%
7) Chloroethane-d5	1.529	69	160964	22.484	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	89.920%
11) 1,1-Dichloroethene-d2	2.053	65	87999	22.017	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	88.080%
21) 2-Butanone-d5	3.847	46	87873	42.658	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	85.320%
24) Chloroform-d	4.239	84	342856	22.083	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	88.320%
26) 1,2-Dichloroethane-d4	4.934	65	179314	22.028	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	88.120%
32) Benzene-d6	4.953	84	673885	22.837	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	91.360%
36) 1,2-Dichloropropane-d6	5.982	67	206770	22.251	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	89.000%
41) Toluene-d8	7.236	98	613317	23.556	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	94.240%
43) trans-1,3-Dichloroprop...	7.548	79	85924	22.551	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	90.200%
47) 2-Hexanone-d5	8.030	63	58638	46.574	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	93.140%
56) 1,1,2,2-Tetrachloroeth...	10.149	84	147240	21.204	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	84.800%
66) 1,2-Dichlorobenzene-d4	11.558	152	223441	21.972	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	87.880%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.105	85	220651	25.059	ug/L	100
3) Chloromethane	1.214	50	254047	25.140	ug/L	100
5) Vinyl chloride	1.278	62	268819	25.269	ug/L	99
6) Bromomethane	1.484	94	163143	24.720	ug/L	99
8) Chloroethane	1.545	64	164151	24.824	ug/L	100
9) Trichlorofluoromethane	1.709	101	330605	25.024	ug/L	100
10) 1,1,2-Trichloro-1,2,2-...	2.063	101	209744	25.015	ug/L	100
12) 1,1-Dichloroethene	2.063	96	193889	24.794	ug/L	96
13) Acetone	2.153	43	159592	49.736	ug/L	97
14) Carbon disulfide	2.233	76	671722	24.735	ug/L	100
15) Methyl Acetate	2.384	43	92689	23.240	ug/L	100
16) Methylene chloride	2.442	84	227783	20.613	ug/L	99
17) trans-1,2-Dichloroethene	2.687	96	206175	24.819	ug/L	98
18) Methyl tert-butyl Ether	2.699	73	470177	25.212	ug/L	100
19) 1,1-Dichloroethane	3.104	63	390724	24.699	ug/L	100
20) cis-1,2-Dichloroethene	3.809	96	205219	24.586	ug/L	99
22) 2-Butanone	3.905	43	138616	50.911	ug/L	96
23) Bromochloromethane	4.140	128	104191	24.885	ug/L	98
25) Chloroform	4.268	83	398150	24.466	ug/L	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.034	62	261676	25.756	ug/L	100
29) Cyclohexane	4.577	56	316541	26.781	ug/L	100
30) 1,1,1-Trichloroethane	4.503	97	337085	24.838	ug/L	99
31) Carbon tetrachloride	4.728	117	299922	25.191	ug/L	99
33) Benzene	5.002	78	838089	25.813	ug/L	100
34) Trichloroethene	5.828	95	252414	25.366	ug/L	98
35) Methylcyclohexane	6.043	83	371973	27.031	ug/L	99
37) 1,2-Dichloropropane	6.085	63	222649	26.116	ug/L	100
38) Bromodichloromethane	6.426	83	279487	24.768	ug/L	98
39) cis-1,3-Dichloropropene	6.950	75	322919	25.325	ug/L	100
40) 4-Methyl-2-pentanone	7.156	43	243244	52.515	ug/L	99
42) Toluene	7.310	91	889308	26.806	ug/L	100
44) trans-1,3-Dichloropropene	7.577	75	287210	26.077	ug/L	97
45) 1,1,2-Trichloroethane	7.763	97	173984	24.665	ug/L	99
46) Tetrachloroethene	7.899	164	181853	24.988	ug/L	99
48) 2-Hexanone	8.075	43	211652	58.450	ug/L	97
49) Dibromochloromethane	8.172	129	192174	24.892	ug/L	100
50) 1,2-Dibromoethane	8.278	107	170140	25.137	ug/L	99
51) Chlorobenzene	8.808	112	567463	25.104	ug/L	99
52) Ethylbenzene	8.940	91	948347	26.718	ug/L	100
53) m,p-Xylene	9.069	106	364884	27.358	ug/L	99
54) o-Xylene	9.474	106	335244	26.654	ug/L	99
55) Styrene	9.490	104	621756	28.033	ug/L	100
57) 1,1,2,2-Tetrachloroethane	10.175	83	151647	24.009	ug/L	98
59) Bromoform	9.660	173	126550	24.198	ug/L	99
60) Isopropylbenzene	9.863	105	936188	26.314	ug/L	100
61) 1,2,3-Trichloropropane	10.204	75	160446	24.463	ug/L	97
62) 1,3,5-Trimethylbenzene	10.474	105	679787	26.350	ug/L	99
63) 1,2,4-Trimethylbenzene	10.847	105	761285	27.388	ug/L	100
64) 1,3-Dichlorobenzene	11.114	146	471189	25.219	ug/L	99
65) 1,4-Dichlorobenzene	11.204	146	488402	25.325	ug/L	99
67) 1,2-Dichlorobenzene	11.577	146	438832	24.959	ug/L	99
68) 1,2-Dibromo-3-chloropr...	12.361	75	36888	25.152	ug/L	99
69) 1,3,5-Trichlorobenzene	12.577	180	362092	25.908	ug/L	100
70) 1,2,4-trichlorobenzene	13.194	180	293650	26.685	ug/L	98
71) Naphthalene	13.435	128	502033	27.955	ug/L	100
72) 1,2,3-Trichlorobenzene	13.676	180	290574	28.936	ug/L	99

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

