

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW052424\
 Data File : VW035756.D
 Acq On : 24 May 2024 18:49
 Operator : SY/MD
 Sample : VSTDCCC025
 Misc : 5.00g/10.0mL/MSVOA_V/SOIL
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD025376

Quant Time: May 25 02:34:12 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM050624SMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri May 24 23:42:56 2024
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 05/28/2024
 Supervised By :Mahesh Dadoda 05/28/2024

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

Internal Standards							
1) 1,4-Difluorobenzene		5.532	114	465156	25.000	ug/L	0.00
28) Chlorobenzene-d5		8.783	117	480817	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4		11.185	152	265533	25.000	ug/L	0.00
System Monitoring Compounds							
4) Vinyl Chloride-d3		1.275	65	204818	28.488	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	113.960%	
7) Chloroethane-d5		1.529	69	159720	27.538	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	110.160%	
11) 1,1-Dichloroethene-d2		2.053	65	85115	26.741	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	106.960%	
21) 2-Butanone-d5		3.838	46	91678m	44.933	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	89.860%	
24) Chloroform-d		4.246	84	358161	25.900	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	103.600%	
26) 1,2-Dichloroethane-d4		4.941	65	178646	26.131	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	104.520%	
32) Benzene-d6		4.957	84	687594	26.125	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	104.480%	
36) 1,2-Dichloropropane-d6		5.989	67	204985	25.237	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	100.960%	
41) Toluene-d8		7.239	98	639518	27.301	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	109.200%	
43) trans-1,3-Dichloroprop...		7.551	79	85595	24.640	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	98.560%	
47) 2-Hexanone-d5		8.030	63	58956	40.366	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	80.740%	
56) 1,1,2,2-Tetrachloroeth...		10.153	84	173922	22.221	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	88.880%	
66) 1,2-Dichlorobenzene-d4		11.558	152	224505	24.362	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	97.440%	
Target Compounds							
						Qvalue	
2) Dichlorodifluoromethane		1.105	85	193917	20.505	ug/L	99
3) Chloromethane		1.211	50	199603	21.022	ug/L	100
5) Vinyl chloride		1.278	62	218773	22.302	ug/L	98
6) Bromomethane		1.484	94	138934	22.369	ug/L	98
8) Chloroethane		1.545	64	145767	24.106	ug/L	97
9) Trichlorofluoromethane		1.709	101	304895	23.813	ug/L	100
10) 1,1,2-Trichloro-1,2,2-...		2.063	101	198839	24.614	ug/L	99
12) 1,1-Dichloroethene		2.063	96	177263	24.293	ug/L #	83
13) Acetone		2.150	43	104441m	34.968	ug/L	
14) Carbon disulfide		2.233	76	437076	18.911	ug/L	100
15) Methyl Acetate		2.384	43	98911	21.858	ug/L	93
16) Methylene chloride		2.442	84	233751	21.792	ug/L	97
17) trans-1,2-Dichloroethene		2.690	96	194679	24.033	ug/L	98
18) Methyl tert-butyl Ether		2.706	73	533742	27.315	ug/L	99
19) 1,1-Dichloroethane		3.108	63	412975	27.194	ug/L	99
20) cis-1,2-Dichloroethene		3.812	96	214127	24.384	ug/L	96
22) 2-Butanone		3.912	43	129313m	46.622	ug/L	
23) Bromochloromethane		4.146	128	113744	26.780	ug/L	99
25) Chloroform		4.272	83	442573	28.222	ug/L	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.040	62	273321	27.990	ug/L	100
29) Cyclohexane	4.580	56	235397	20.473	ug/L	99
30) 1,1,1-Trichloroethane	4.506	97	361885	27.144	ug/L	99
31) Carbon tetrachloride	4.732	117	305129	26.085	ug/L	100
33) Benzene	5.008	78	858716	26.985	ug/L	100
34) Trichloroethene	5.831	95	243073	27.004	ug/L	97
35) Methylcyclohexane	6.047	83	288901	21.140	ug/L	97
37) 1,2-Dichloropropane	6.092	63	242871	29.253	ug/L	100
38) Bromodichloromethane	6.429	83	322120	28.640	ug/L	98
39) cis-1,3-Dichloropropene	6.953	75	340252	26.202	ug/L	99
40) 4-Methyl-2-pentanone	7.162	43	286743	57.668	ug/L	97
42) Toluene	7.313	91	935784	27.787	ug/L	100
44) trans-1,3-Dichloropropene	7.580	75	314954	27.726	ug/L	99
45) 1,1,2-Trichloroethane	7.767	97	203553	28.855	ug/L	97
46) Tetrachloroethene	7.905	164	177951	24.334	ug/L	98
48) 2-Hexanone	8.079	43	193225	51.829	ug/L	99
49) Dibromochloromethane	8.175	129	229534	28.836	ug/L	98
50) 1,2-Dibromoethane	8.281	107	189563	27.277	ug/L	99
51) Chlorobenzene	8.812	112	627534	26.855	ug/L	99
52) Ethylbenzene	8.944	91	1012821	27.239	ug/L	99
53) m,p-Xylene	9.072	106	388453	27.536	ug/L	100
54) o-Xylene	9.477	106	370881	27.740	ug/L	99
55) Styrene	9.493	104	699203	29.983	ug/L	98
57) 1,1,2,2-Tetrachloroethane	10.175	83	218014	25.371	ug/L	100
59) Bromoform	9.664	173	151636	29.058	ug/L	99
60) Isopropylbenzene	9.866	105	1033832	29.228	ug/L	100
61) 1,2,3-Trichloropropane	10.207	75	186989	30.052	ug/L	99
62) 1,3,5-Trimethylbenzene	10.474	105	829350	29.889	ug/L	100
63) 1,2,4-Trimethylbenzene	10.850	105	835872	29.314	ug/L	100
64) 1,3-Dichlorobenzene	11.114	146	529060	28.501	ug/L	98
65) 1,4-Dichlorobenzene	11.207	146	546074	28.417	ug/L	99
67) 1,2-Dichlorobenzene	11.577	146	499192	28.569	ug/L	100
68) 1,2-Dibromo-3-chloropr...	12.365	75	42861	29.701	ug/L	94
69) 1,3,5-Trichlorobenzene	12.580	180	386299	26.631	ug/L	99
70) 1,2,4-trichlorobenzene	13.197	180	312567	25.805	ug/L	99
71) Naphthalene	13.439	128	548370	25.789	ug/L	99
72) 1,2,3-Trichlorobenzene	13.680	180	308720	28.332	ug/L	98

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

