

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW062424\
 Data File : VW036253.D
 Acq On : 24 Jun 2024 18:19
 Operator : SY/MD
 Sample : VSTDCCC025
 Misc : 5.00g/10.0mL/MSVOA_V/SOIL
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD025302

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 06/26/2024
 Supervised By :Mahesh Dadoda 06/26/2024

Quant Time: Jun 25 05:00:51 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM053024SMA.M
 Quant Title : VOC Analysis
 QLast Update : Tue Jun 25 04:55:15 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.532	114	282059	25.000	ug/L	0.00
28) Chlorobenzene-d5	8.783	117	278691	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.181	152	147432	25.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.272	65	94111	18.148	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	72.600%
7) Chloroethane-d5	1.529	69	83915	20.295	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	81.160%
11) 1,1-Dichloroethene-d2	2.053	65	47128	20.415	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	81.640%
21) 2-Butanone-d5	3.828	46	55209m	46.403	ug/L	-0.02
Spiked Amount	50.000	Range	20 - 135	Recovery	=	92.800%
24) Chloroform-d	4.246	84	197194	21.990	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	87.960%
26) 1,2-Dichloroethane-d4	4.940	65	98940	21.044	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	84.160%
32) Benzene-d6	4.957	84	365745	22.078	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	88.320%
36) 1,2-Dichloropropane-d6	5.985	67	113392	21.736	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	86.960%
41) Toluene-d8	7.239	98	332635	22.757	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	91.040%
43) trans-1,3-Dichloroprop...	7.555	79	44519	20.813	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	83.240%
47) 2-Hexanone-d5	8.030	63	32010	45.288	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	90.580%
56) 1,1,2,2-Tetrachloroeth...	10.149	84	90994	23.342	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	93.360%
66) 1,2-Dichlorobenzene-d4	11.558	152	112416	20.793	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	83.160%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.101	85	113084	22.235	ug/L	100
3) Chloromethane	1.211	50	129297	22.153	ug/L	99
5) Vinyl chloride	1.278	62	149724	24.367	ug/L	99
6) Bromomethane	1.484	94	101294	26.573	ug/L	98
8) Chloroethane	1.545	64	96830	25.353	ug/L	98
9) Trichlorofluoromethane	1.709	101	212763	27.882	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.063	101	132507	27.362	ug/L	99
12) 1,1-Dichloroethene	2.063	96	123736	27.395	ug/L	88
13) Acetone	2.143	43	74580m	40.241	ug/L	
14) Carbon disulfide	2.233	76	368342	23.484	ug/L	100
15) Methyl Acetate	2.384	43	50554	21.945	ug/L	97
16) Methylene chloride	2.442	84	152560	23.903	ug/L	95
17) trans-1,2-Dichloroethene	2.690	96	123074	25.651	ug/L	95
18) Methyl tert-butyl Ether	2.703	73	262677	24.387	ug/L	99
19) 1,1-Dichloroethane	3.105	63	233295	25.533	ug/L	99
20) cis-1,2-Dichloroethene	3.812	96	124743	25.874	ug/L	98
22) 2-Butanone	3.905	43	72061m	45.823	ug/L	
23) Bromochloromethane	4.143	128	61027	25.235	ug/L	96
25) Chloroform	4.272	83	241710	25.716	ug/L	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.037	62	148845	25.365	ug/L	100
29) Cyclohexane	4.577	56	162303	24.460	ug/L	97
30) 1,1,1-Trichloroethane	4.506	97	206906	27.157	ug/L	98
31) Carbon tetrachloride	4.728	117	179010	26.782	ug/L	100
33) Benzene	5.005	78	498431	27.345	ug/L	100
34) Trichloroethene	5.828	95	145747	26.090	ug/L	97
35) Methylcyclohexane	6.047	83	190136	24.612	ug/L	98
37) 1,2-Dichloropropane	6.092	63	128712	26.893	ug/L	99
38) Bromodichloromethane	6.429	83	168850	26.654	ug/L	99
39) cis-1,3-Dichloropropene	6.950	75	182149	25.445	ug/L	99
40) 4-Methyl-2-pentanone	7.159	43	129092	49.645	ug/L	99
42) Toluene	7.313	91	525362	28.207	ug/L	99
44) trans-1,3-Dichloropropene	7.580	75	159363	25.774	ug/L	99
45) 1,1,2-Trichloroethane	7.767	97	102719	25.939	ug/L	99
46) Tetrachloroethene	7.902	164	103958	25.444	ug/L	99
48) 2-Hexanone	8.079	43	92023	45.267	ug/L #	98
49) Dibromochloromethane	8.175	129	112363	25.925	ug/L	100
50) 1,2-Dibromoethane	8.281	107	96722	25.454	ug/L	96
51) Chlorobenzene	8.812	112	335389	26.429	ug/L	98
52) Ethylbenzene	8.944	91	544170	27.308	ug/L	100
53) m,p-Xylene	9.072	106	209454	27.974	ug/L	99
54) o-Xylene	9.477	106	192811	27.307	ug/L	94
55) Styrene	9.493	104	350786	28.172	ug/L	97
57) 1,1,2,2-Tetrachloroethane	10.175	83	94259	26.582	ug/L	100
59) Bromoform	9.664	173	70570	25.382	ug/L	99
60) Isopropylbenzene	9.863	105	521276	27.559	ug/L	100
61) 1,2,3-Trichloropropane	10.207	75	88416	25.357	ug/L	98
62) 1,3,5-Trimethylbenzene	10.474	105	359611	26.219	ug/L	99
63) 1,2,4-Trimethylbenzene	10.850	105	401019	27.137	ug/L	100
64) 1,3-Dichlorobenzene	11.114	146	251583	25.327	ug/L	99
65) 1,4-Dichlorobenzene	11.207	146	257623	25.127	ug/L	99
67) 1,2-Dichlorobenzene	11.577	146	233195	24.948	ug/L	99
68) 1,2-Dibromo-3-chloropr...	12.361	75	19520	25.035	ug/L	97
69) 1,3,5-Trichlorobenzene	12.580	180	170847	22.994	ug/L	100
70) 1,2,4-trichlorobenzene	13.197	180	135139	23.099	ug/L	99
71) Naphthalene	13.435	128	244529	25.612	ug/L	99
72) 1,2,3-Trichlorobenzene	13.676	180	133557	25.017	ug/L	99

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

