

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW071124\
 Data File : VW036493.D
 Acq On : 11 Jul 2024 11:59
 Operator : SY/MD
 Sample : VSTD10017
 Misc : 5.00g/10.0mL/MSVOA_V/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD100217

Quant Time: Jul 12 01:11:53 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM071124SMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Jul 12 01:09:21 2024
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 07/15/2024
 Supervised By :Mahesh Dadoda 07/15/2024

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

Internal Standards						
1) 1,4-Difluorobenzene	5.529	114	328229	25.000	ug/L	0.00
28) Chlorobenzene-d5	8.780	117	337361	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.181	152	207147	25.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.272	65	476609	101.353	ug/L	0.00
7) Chloroethane-d5	1.526	69	403094	98.043	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.050	65	244857	101.400	ug/L	0.00
21) 2-Butanone-d5	3.822	46	186735	232.059	ug/L	-0.03
24) Chloroform-d	4.240	84	934524	97.814	ug/L	0.00
26) 1,2-Dichloroethane-d4	4.934	65	472824	99.780	ug/L	0.00
32) Benzene-d6	4.953	84	1812511	107.692	ug/L	0.00
36) 1,2-Dichloropropane-d6	5.982	67	527607	94.475	ug/L	0.00
41) Toluene-d8	7.236	98	1798432	115.810	ug/L	0.00
43) trans-1,3-Dichloroprop...	7.545	79	247634	118.744	ug/L	0.00
47) 2-Hexanone-d5	8.024	63	171983	301.570	ug/L	0.00
56) 1,1,2,2-Tetrachloroeth...	10.149	84	433025	102.505	ug/L	0.00
66) 1,2-Dichlorobenzene-d4	11.558	152	723717	102.950	ug/L	0.00
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.101	85	388080	81.582	ug/L	100
3) Chloromethane	1.211	50	306091	80.184	ug/L	98
5) Vinyl chloride	1.278	62	395507	84.199	ug/L	99
6) Bromomethane	1.484	94	311594	82.212	ug/L	97
8) Chloroethane	1.545	64	277358	85.349	ug/L	100
9) Trichlorofluoromethane	1.706	101	722523	86.662	ug/L	100
10) 1,1,2-Trichloro-1,2,2-...	2.060	101	500660	89.061	ug/L	99
12) 1,1-Dichloroethene	2.060	96	418454	86.301	ug/L	94
13) Acetone	2.163	43	213214m	157.679	ug/L	
14) Carbon disulfide	2.230	76	827173	75.979	ug/L	100
15) Methyl Acetate	2.384	43	151473	100.630	ug/L	100
16) Methylene chloride	2.439	84	477398	70.719	ug/L	99
17) trans-1,2-Dichloroethene	2.687	96	397488	90.207	ug/L	98
18) Methyl tert-butyl Ether	2.703	73	1080491	109.427	ug/L	98
19) 1,1-Dichloroethane	3.105	63	744228	93.309	ug/L	99
20) cis-1,2-Dichloroethene	3.806	96	474439	101.888	ug/L	98
22) 2-Butanone	3.902	43	210044	237.955	ug/L #	44
23) Bromochloromethane	4.137	128	242953	93.401	ug/L	99
25) Chloroform	4.269	83	878224	92.733	ug/L	100
27) 1,2-Dichloroethane	5.034	62	528810	99.402	ug/L	99
29) Cyclohexane	4.574	56	472269	110.044	ug/L	99
30) 1,1,1-Trichloroethane	4.503	97	728267	92.863	ug/L	100
31) Carbon tetrachloride	4.728	117	635367	91.351	ug/L	100
33) Benzene	5.002	78	1647337	98.672	ug/L	100
34) Trichloroethene	5.825	95	518208	97.543	ug/L	99
35) Methylcyclohexane	6.043	83	652384	107.598	ug/L	97
37) 1,2-Dichloropropane	6.088	63	431362	102.380	ug/L	99
38) Bromodichloromethane	6.426	83	640752	95.978	ug/L	98
39) cis-1,3-Dichloropropene	6.947	75	765760	117.860	ug/L	100
40) 4-Methyl-2-pentanone	7.156	43	469477	257.954	ug/L	93
42) Toluene	7.310	91	1896406	107.200	ug/L	99
44) trans-1,3-Dichloropropene	7.574	75	676507	116.782	ug/L	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
45) 1,1,2-Trichloroethane	7.764	97	406480	97.904	ug/L	98
46) Tetrachloroethene	7.902	164	406700	94.680	ug/L	99
48) 2-Hexanone	8.075	43	366492	256.842	ug/L	96
49) Dibromochloromethane	8.172	129	500860	99.762	ug/L	99
50) 1,2-Dibromoethane	8.278	107	399637	102.563	ug/L	99
51) Chlorobenzene	8.809	112	1328058	100.242	ug/L	100
52) Ethylbenzene	8.940	91	2186809	115.239	ug/L	99
53) m,p-Xylene	9.069	106	853637	116.841	ug/L	100
54) o-Xylene	9.474	106	842002	121.048	ug/L	100
55) Styrene	9.490	104	1514597	122.535	ug/L	98
57) 1,1,2,2-Tetrachloroethane	10.175	83	389659	102.780	ug/L	99
59) Bromoform	9.661	173	352127	95.914	ug/L	98
60) Isopropylbenzene	9.863	105	2311425	111.693	ug/L	100
61) 1,2,3-Trichloropropane	10.204	75	345121	93.642	ug/L	99
62) 1,3,5-Trimethylbenzene	10.471	105	1785761	120.498	ug/L	99
63) 1,2,4-Trimethylbenzene	10.847	105	1966326	121.937	ug/L	100
64) 1,3-Dichlorobenzene	11.114	146	1228137	100.389	ug/L	99
65) 1,4-Dichlorobenzene	11.204	146	1251404	95.262	ug/L	99
67) 1,2-Dichlorobenzene	11.574	146	1174558	99.910	ug/L	99
68) 1,2-Dibromo-3-chloropr...	12.361	75	82749	103.773	ug/L	94
69) 1,3,5-Trichlorobenzene	12.577	180	1012605	106.899	ug/L	99
70) 1,2,4-trichlorobenzene	13.194	180	891984	118.397	ug/L	100
71) Naphthalene	13.432	128	1549506	136.943	ug/L	99
72) 1,2,3-Trichlorobenzene	13.677	180	826854	116.007	ug/L	100

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

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