

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW072224\
 Data File : VW036622.D
 Acq On : 22 Jul 2024 10:06
 Operator : SY/MD
 Sample : VSTD05030
 Misc : 5.00g/10.0mL/MSVOA_V/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD050230

Quant Time: Jul 23 01:27:15 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM072224SMA.M
 Quant Title : VOC Analysis
 QLast Update : Tue Jul 23 01:25:03 2024
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Romaben Patel 07/23/2024
 Supervised By :Mahesh Dadoda 07/24/2024

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

Internal Standards						
1) 1,4-Difluorobenzene	5.529	114	412733	25.000	ug/L	0.00
28) Chlorobenzene-d5	8.779	117	414123	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.181	152	244956	25.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.272	65	209130	46.263	ug/L	0.00
7) Chloroethane-d5	1.526	69	194721	47.693	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.050	65	108621	45.444	ug/L	0.00
21) 2-Butanone-d5	3.825	46	109112	111.049	ug/L	-0.03
24) Chloroform-d	4.243	84	525338	48.127	ug/L	0.00
26) 1,2-Dichloroethane-d4	4.937	65	265937	49.383	ug/L	0.00
32) Benzene-d6	4.953	84	958910	48.856	ug/L	0.00
36) 1,2-Dichloropropane-d6	5.982	67	272660	46.702	ug/L	0.00
41) Toluene-d8	7.239	98	958679	51.183	ug/L	0.00
43) trans-1,3-Dichloroprop...	7.548	79	126606	50.926	ug/L	0.00
47) 2-Hexanone-d5	8.027	63	88622	120.251	ug/L	0.00
56) 1,1,2,2-Tetrachloroeth...	10.149	84	238089	48.846	ug/L	0.00
66) 1,2-Dichlorobenzene-d4	11.554	152	407993	47.713	ug/L	0.00
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.101	85	359682	51.387	ug/L	100
3) Chloromethane	1.211	50	281466	52.267	ug/L	98
5) Vinyl chloride	1.275	62	347565	52.191	ug/L	100
6) Bromomethane	1.481	94	279930	52.573	ug/L	97
8) Chloroethane	1.542	64	223002	51.671	ug/L	100
9) Trichlorofluoromethane	1.706	101	588045	50.855	ug/L	100
10) 1,1,2-Trichloro-1,2,2-...	2.059	101	361572	50.257	ug/L	99
12) 1,1-Dichloroethene	2.059	96	326432	51.267	ug/L	92
13) Acetone	2.156	43	162105m	99.065	ug/L	
14) Carbon disulfide	2.230	76	957811	54.199	ug/L	100
15) Methyl Acetate	2.384	43	98006	49.020	ug/L	98
16) Methylene chloride	2.439	84	341889	44.520	ug/L	96
17) trans-1,2-Dichloroethene	2.686	96	336311	52.300	ug/L	98
18) Methyl tert-butyl Ether	2.703	73	715537	53.054	ug/L	99
19) 1,1-Dichloroethane	3.104	63	516372	51.184	ug/L	100
20) cis-1,2-Dichloroethene	3.805	96	356219	53.044	ug/L	98
22) 2-Butanone	3.899	43	151568	115.339	ug/L	100
23) Bromochloromethane	4.140	128	184791	52.227	ug/L	99
25) Chloroform	4.268	83	615481	50.541	ug/L	99
27) 1,2-Dichloroethane	5.034	62	381074	52.150	ug/L	98
29) Cyclohexane	4.574	56	411741	55.766	ug/L	100
30) 1,1,1-Trichloroethane	4.506	97	543569	50.735	ug/L	99
31) Carbon tetrachloride	4.728	117	508816	50.831	ug/L	99
33) Benzene	5.001	78	1228011	52.216	ug/L	100
34) Trichloroethene	5.825	95	397211	51.610	ug/L	99
35) Methylcyclohexane	6.043	83	565535	55.186	ug/L	99
37) 1,2-Dichloropropane	6.088	63	289314	53.454	ug/L	99
38) Bromodichloromethane	6.426	83	444945	50.421	ug/L	99
39) cis-1,3-Dichloropropene	6.950	75	506235	55.355	ug/L	100
40) 4-Methyl-2-pentanone	7.159	43	283658	115.014	ug/L	100
42) Toluene	7.310	91	1427434	54.799	ug/L	100
44) trans-1,3-Dichloropropene	7.577	75	441416	55.768	ug/L	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
45) 1,1,2-Trichloroethane	7.763	97	269536	51.062	ug/L	99
46) Tetrachloroethene	7.902	164	347028	45.439	ug/L	99
48) 2-Hexanone	8.075	43	223825	116.441	ug/L	97
49) Dibromochloromethane	8.172	129	344905	51.862	ug/L	100
50) 1,2-Dibromoethane	8.278	107	278746	52.561	ug/L	98
51) Chlorobenzene	8.808	112	978037	51.857	ug/L	99
52) Ethylbenzene	8.940	91	1594369	55.644	ug/L	99
53) m,p-Xylene	9.069	106	640706	57.273	ug/L	99
54) o-Xylene	9.474	106	611356	56.879	ug/L	99
55) Styrene	9.490	104	1065281	58.449	ug/L	99
57) 1,1,2,2-Tetrachloroethane	10.175	83	242808	50.767	ug/L	99
59) Bromoform	9.660	173	234744	50.884	ug/L	99
60) Isopropylbenzene	9.863	105	1665756	55.570	ug/L	100
61) 1,2,3-Trichloropropane	10.204	75	212725	49.262	ug/L	100
62) 1,3,5-Trimethylbenzene	10.471	105	1385732	59.265	ug/L	99
63) 1,2,4-Trimethylbenzene	10.847	105	1386913	58.596	ug/L	100
64) 1,3-Dichlorobenzene	11.114	146	862025	51.443	ug/L	99
65) 1,4-Dichlorobenzene	11.204	146	871603	50.508	ug/L	99
67) 1,2-Dichlorobenzene	11.574	146	797983	51.216	ug/L	99
68) 1,2-Dibromo-3-chloropr...	12.361	75	51200	50.348	ug/L	98
69) 1,3,5-Trichlorobenzene	12.577	180	682886	51.660	ug/L	99
70) 1,2,4-trichlorobenzene	13.194	180	576035	53.646	ug/L	100
71) Naphthalene	13.435	128	920271	58.524	ug/L	100
72) 1,2,3-Trichlorobenzene	13.673	180	521735	53.851	ug/L	99

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

