

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV072224\
 Data File : VV036623.D
 Acq On : 22 Jul 2024 10:29
 Operator : SY/MD
 Sample : VSTD10031
 Misc : 5.00g/10.0mL/MSVOA_V/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD100231

Quant Time: Jul 23 01:27:47 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	438180	25.000	ug/L	0.00
28) Chlorobenzene-d5	8.780	117	435440	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.181	152	257184	25.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.272	65	413854	86.235	ug/L	0.00
7) Chloroethane-d5	1.526	69	384016	88.594	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.047	65	212448	83.721	ug/L	0.00
21) 2-Butanone-d5	3.815	46	231290	221.726	ug/L	-0.04
24) Chloroform-d	4.240	84	1055164	91.051	ug/L	0.00
26) 1,2-Dichloroethane-d4	4.934	65	533695	93.349	ug/L	0.00
32) Benzene-d6	4.950	84	1919312	93.001	ug/L	0.00
36) 1,2-Dichloropropane-d6	5.982	67	555761	90.532	ug/L	0.00
41) Toluene-d8	7.236	98	1924320	97.709	ug/L	0.00
43) trans-1,3-Dichloroprop...	7.545	79	268119	102.568	ug/L	0.00
47) 2-Hexanone-d5	8.024	63	196829	254.002	ug/L	0.00
56) 1,1,2,2-Tetrachloroeth...	10.149	84	497307	97.033	ug/L	0.00
66) 1,2-Dichlorobenzene-d4	11.558	152	835065	93.014	ug/L	0.00
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.101	85	726048	97.704	ug/L	100
3) Chloromethane	1.211	50	562614	98.408	ug/L	99
5) Vinyl chloride	1.275	62	711019	100.567	ug/L	99
6) Bromomethane	1.481	94	556671	98.476	ug/L	99
8) Chloroethane	1.542	64	446691	97.491	ug/L	100
9) Trichlorofluoromethane	1.706	101	1181744	96.265	ug/L	100
10) 1,1,2-Trichloro-1,2,2-...	2.056	101	722505	94.592	ug/L	100
12) 1,1-Dichloroethene	2.060	96	655238	96.931	ug/L	98
13) Acetone	2.156	43	288280m	165.941	ug/L	
14) Carbon disulfide	2.230	76	1941346	103.473	ug/L	100
15) Methyl Acetate	2.381	43	201810	95.077	ug/L	99
16) Methylene chloride	2.439	84	648031	79.484	ug/L	96
17) trans-1,2-Dichloroethene	2.683	96	683035	100.052	ug/L	99
18) Methyl tert-butyl Ether	2.699	73	1503268	104.988	ug/L	100
19) 1,1-Dichloroethane	3.101	63	1052504	98.267	ug/L	100
20) cis-1,2-Dichloroethene	3.805	96	744877	104.477	ug/L	99
22) 2-Butanone	3.896	43	306057	219.376	ug/L	93
23) Bromochloromethane	4.137	128	371888	99.001	ug/L	98
25) Chloroform	4.265	83	1240714	95.966	ug/L	100
27) 1,2-Dichloroethane	5.034	62	782240	100.832	ug/L	98
29) Cyclohexane	4.574	56	863532	111.231	ug/L	99
30) 1,1,1-Trichloroethane	4.503	97	1113556	98.848	ug/L	99
31) Carbon tetrachloride	4.725	117	1039026	98.719	ug/L	100
33) Benzene	5.002	78	2480077	100.292	ug/L	100
34) Trichloroethene	5.825	95	807193	99.746	ug/L	99
35) Methylcyclohexane	6.043	83	1171113	108.684	ug/L	99
37) 1,2-Dichloropropane	6.085	63	590766	103.807	ug/L	99
38) Bromodichloromethane	6.426	83	906061	97.648	ug/L	98
39) cis-1,3-Dichloropropene	6.947	75	1072821	111.566	ug/L	99
40) 4-Methyl-2-pentanone	7.156	43	594340	229.187	ug/L	98
42) Toluene	7.310	91	2889959	105.513	ug/L	99
44) trans-1,3-Dichloropropene	7.574	75	930460	111.797	ug/L	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
45) 1,1,2-Trichloroethane	7.764	97	557390	100.425	ug/L	98
46) Tetrachloroethene	7.899	164	704804	87.768	ug/L	98
48) 2-Hexanone	8.075	43	457250	226.231	ug/L	97
49) Dibromochloromethane	8.172	129	713844	102.082	ug/L	100
50) 1,2-Dibromoethane	8.278	107	576747	103.429	ug/L	99
51) Chlorobenzene	8.809	112	1988159	100.255	ug/L	100
52) Ethylbenzene	8.940	91	3286160	109.073	ug/L	99
53) m,p-Xylene	9.069	106	1315945	111.874	ug/L	100
54) o-Xylene	9.474	106	1274564	112.776	ug/L	98
55) Styrene	9.490	104	2190184	114.287	ug/L	100
57) 1,1,2,2-Tetrachloroethane	10.172	83	515957	102.597	ug/L	99
59) Bromoform	9.661	173	494521	102.098	ug/L	99
60) Isopropylbenzene	9.863	105	3421507	108.715	ug/L	100
61) 1,2,3-Trichloropropane	10.204	75	447990	98.810	ug/L	100
62) 1,3,5-Trimethylbenzene	10.471	105	2910462	118.557	ug/L	99
63) 1,2,4-Trimethylbenzene	10.847	105	2895138	116.502	ug/L	99
64) 1,3-Dichlorobenzene	11.111	146	1782219	101.300	ug/L	99
65) 1,4-Dichlorobenzene	11.204	146	1765847	97.463	ug/L	99
67) 1,2-Dichlorobenzene	11.574	146	1634274	99.903	ug/L	99
68) 1,2-Dibromo-3-chloropr...	12.358	75	106878	100.103	ug/L	97
69) 1,3,5-Trichlorobenzene	12.577	180	1446023	104.191	ug/L	99
70) 1,2,4-trichlorobenzene	13.194	180	1204424	106.835	ug/L	100
71) Naphthalene	13.432	128	1938771	117.433	ug/L	100
72) 1,2,3-Trichlorobenzene	13.676	180	1044119	102.645	ug/L	99

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

