

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV082124\
 Data File : VV036989.D
 Acq On : 21 Aug 2024 12:02
 Operator : SY/MD
 Sample : VSTD05054
 Misc : 5.00mL/10mL/MSVOA_V/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD050254

Quant Time: Aug 22 01:03:01 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM082124SMA.M
 Quant Title : VOC Analysis
 QLast Update : Thu Aug 22 00:59:57 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.526	114	724921	25.000	ug/L	0.00
28) Chlorobenzene-d5	8.776	117	685549	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.178	152	337764	25.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.278	65	546876	46.406	ug/L	0.00
7) Chloroethane-d5	1.532	69	444542	46.175	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.056	65	240173	46.202	ug/L	0.00
21) 2-Butanone-d5	3.828	46	190657	107.615	ug/L	-0.02
24) Chloroform-d	4.240	84	1007571	46.816	ug/L	0.00
26) 1,2-Dichloroethane-d4	4.934	65	464840	47.330	ug/L	0.00
32) Benzene-d6	4.950	84	1999217	46.197	ug/L	0.00
36) 1,2-Dichloropropane-d6	5.982	67	607009	47.327	ug/L	0.00
41) Toluene-d8	7.233	98	1840540	46.874	ug/L	0.00
43) trans-1,3-Dichloroprop...	7.545	79	227148	49.983	ug/L	0.00
47) 2-Hexanone-d5	8.027	63	127432	115.868	ug/L	0.00
56) 1,1,2,2-Tetrachloroeth...	10.146	84	350635	49.116	ug/L	0.00
66) 1,2-Dichlorobenzene-d4	11.551	152	574074	45.681	ug/L	0.00
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.108	85	488581	44.438	ug/L	100
3) Chloromethane	1.217	50	614713	46.226	ug/L	99
5) Vinyl chloride	1.285	62	608064	47.400	ug/L	99
6) Bromomethane	1.490	94	398693	47.949	ug/L	98
8) Chloroethane	1.548	64	387772	47.499	ug/L	98
9) Trichlorofluoromethane	1.712	101	781641	47.692	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.066	101	481940	47.657	ug/L	99
12) 1,1-Dichloroethene	2.069	96	467837	48.190	ug/L	94
13) Acetone	2.156	43	250974m	79.323	ug/L	
14) Carbon disulfide	2.236	76	1559607	47.723	ug/L	100
15) Methyl Acetate	2.384	43	189404	53.187	ug/L	97
16) Methylene chloride	2.442	84	550563	34.594	ug/L	100
17) trans-1,2-Dichloroethene	2.687	96	520437	47.860	ug/L	98
18) Methyl tert-butyl Ether	2.706	73	1126534	50.431	ug/L	99
19) 1,1-Dichloroethane	3.101	63	1004958	48.531	ug/L	99
20) cis-1,2-Dichloroethene	3.805	96	576562	49.122	ug/L	99
22) 2-Butanone	3.905	43	251596	107.956	ug/L #	100
23) Bromochloromethane	4.137	128	230839	49.911	ug/L	98
25) Chloroform	4.265	83	1004400	48.453	ug/L	100
27) 1,2-Dichloroethane	5.034	62	575631	50.823	ug/L	99
29) Cyclohexane	4.568	56	817473	47.707	ug/L	99
30) 1,1,1-Trichloroethane	4.500	97	820086	48.344	ug/L	99
31) Carbon tetrachloride	4.722	117	693084	49.237	ug/L	100
33) Benzene	4.998	78	2165920	49.150	ug/L	100
34) Trichloroethene	5.822	95	606852	48.497	ug/L	99
35) Methylcyclohexane	6.040	83	890694	48.015	ug/L	99
37) 1,2-Dichloropropane	6.085	63	553795m	50.847	ug/L	
38) Bromodichloromethane	6.426	83	685133	50.374	ug/L	99
39) cis-1,3-Dichloropropene	6.947	75	846275	51.917	ug/L	99
40) 4-Methyl-2-pentanone	7.156	43	500630	111.235	ug/L	100
42) Toluene	7.307	91	2299781	49.321	ug/L	99
44) trans-1,3-Dichloropropene	7.574	75	656533	53.117	ug/L	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
45) 1,1,2-Trichloroethane	7.760	97	356768	50.593	ug/L	99
46) Tetrachloroethene	7.895	164	410081	46.928	ug/L	98
48) 2-Hexanone	8.075	43	390798	115.203	ug/L	99
49) Dibromochloromethane	8.169	129	405107	51.679	ug/L	99
50) 1,2-Dibromoethane	8.275	107	332001	50.961	ug/L	100
51) Chlorobenzene	8.805	112	1456592	48.927	ug/L	99
52) Ethylbenzene	8.937	91	2608091	49.516	ug/L	100
53) m,p-Xylene	9.066	106	979448	50.278	ug/L	98
54) o-Xylene	9.471	106	948341	50.547	ug/L	98
55) Styrene	9.487	104	1617207	51.632	ug/L	98
57) 1,1,2,2-Tetrachloroethane	10.172	83	344870	51.239	ug/L	99
59) Bromoform	9.657	173	203816	51.533	ug/L	99
60) Isopropylbenzene	9.860	105	2582617	49.731	ug/L	99
61) 1,2,3-Trichloropropane	10.201	75	272165	50.245	ug/L	99
62) 1,3,5-Trimethylbenzene	10.468	105	2164878	50.296	ug/L	99
63) 1,2,4-Trimethylbenzene	10.844	105	2152099	50.462	ug/L	99
64) 1,3-Dichlorobenzene	11.111	146	1113708	48.143	ug/L	99
65) 1,4-Dichlorobenzene	11.201	146	1110323	48.266	ug/L	99
67) 1,2-Dichlorobenzene	11.570	146	979575	49.198	ug/L	99
68) 1,2-Dibromo-3-chloropr...	12.358	75	59267	53.724	ug/L	98
69) 1,3,5-Trichlorobenzene	12.574	180	795172	49.457	ug/L	99
70) 1,2,4-trichlorobenzene	13.191	180	647156	50.346	ug/L	99
71) Naphthalene	13.432	128	1051913	52.128	ug/L	100
72) 1,2,3-Trichlorobenzene	13.673	180	546159	50.620	ug/L	99

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

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