

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV082124\
 Data File : VV036995.D
 Acq On : 21 Aug 2024 17:33
 Operator : SY/MD
 Sample : VSTDICV025
 Misc : 5.00mL/10mL/MSVOA_V/SOIL
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VICV258

Quant Time: Aug 22 02:09:00 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM082124SMA.M
 Quant Title : VOC Analysis
 QLast Update : Thu Aug 22 02:05:01 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.529	114	670566	25.000	ug/L	0.00
28) Chlorobenzene-d5	8.780	117	620997	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.181	152	293768	25.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.278	65	261362	23.976	ug/L	0.00
7) Chloroethane-d5	1.532	69	211762	23.779	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.056	65	115825	24.087	ug/L	0.00
21) 2-Butanone-d5	3.851	46	78794m	45.933	ug/L	0.00
24) Chloroform-d	4.243	84	469756	23.596	ug/L	0.00
26) 1,2-Dichloroethane-d4	4.937	65	214888	23.654	ug/L	0.00
32) Benzene-d6	4.953	84	942789	24.050	ug/L	0.00
36) 1,2-Dichloropropane-d6	5.986	67	274898	23.661	ug/L	0.00
41) Toluene-d8	7.236	98	853150	23.986	ug/L	0.00
43) trans-1,3-Dichloroprop...	7.551	79	100308	24.367	ug/L	0.00
47) 2-Hexanone-d5	8.034	63	51284	48.947	ug/L	0.00
56) 1,1,2,2-Tetrachloroeth...	10.149	84	154836	23.944	ug/L	0.00
66) 1,2-Dichlorobenzene-d4	11.554	152	258058	23.610	ug/L	0.00
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.108	85	253155	24.892	ug/L	100
3) Chloromethane	1.217	50	297271	24.167	ug/L	99
5) Vinyl chloride	1.282	62	301245	25.386	ug/L	99
6) Bromomethane	1.487	94	187916	24.432	ug/L	97
8) Chloroethane	1.548	64	191793	25.397	ug/L	99
9) Trichlorofluoromethane	1.712	101	402712	26.563	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.066	101	251232	26.857	ug/L	99
12) 1,1-Dichloroethene	2.069	96	230333	25.686	ug/L	94
13) Acetone	2.153	43	104671m	33.722	ug/L	
14) Carbon disulfide	2.236	76	765306	25.316	ug/L	100
15) Methyl Acetate	2.384	43	87929	27.130	ug/L	95
16) Methylene chloride	2.442	84	296495	20.163	ug/L	100
17) trans-1,2-Dichloroethene	2.690	96	260287	25.877	ug/L	97
18) Methyl tert-butyl Ether	2.709	73	543532	26.304	ug/L	99
19) 1,1-Dichloroethane	3.105	63	490474	25.606	ug/L	99
20) cis-1,2-Dichloroethene	3.809	96	277522	25.561	ug/L	99
22) 2-Butanone	3.912	43	105106	51.023	ug/L #	100
23) Bromochloromethane	4.143	128	110183	25.109	ug/L	98
25) Chloroform	4.272	83	494189	25.773	ug/L	98
27) 1,2-Dichloroethane	5.037	62	274807	26.229	ug/L	99
29) Cyclohexane	4.571	56	424165	27.327	ug/L	100
30) 1,1,1-Trichloroethane	4.507	97	412665	26.855	ug/L	99
31) Carbon tetrachloride	4.725	117	350236	27.467	ug/L	100
33) Benzene	5.002	78	1060113	26.557	ug/L	100
34) Trichloroethene	5.828	95	297229	26.222	ug/L	99
35) Methylcyclohexane	6.043	83	469884	27.963	ug/L	98
37) 1,2-Dichloropropane	6.088	63	258698	26.250	ug/L #	98
38) Bromodichloromethane	6.429	83	324834	26.366	ug/L	98
39) cis-1,3-Dichloropropene	6.950	75	391707	26.528	ug/L	99
40) 4-Methyl-2-pentanone	7.162	43	229998	56.415	ug/L	99
42) Toluene	7.310	91	1129519	26.742	ug/L	100
44) trans-1,3-Dichloropropene	7.577	75	299560	26.755	ug/L	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
45) 1,1,2-Trichloroethane	7.767	97	169803	26.583	ug/L	99
46) Tetrachloroethene	7.899	164	205692	25.985	ug/L	99
48) 2-Hexanone	8.079	43	170068	52.293	ug/L	93
49) Dibromochloromethane	8.172	129	186819	26.310	ug/L	100
50) 1,2-Dibromoethane	8.278	107	158760	26.902	ug/L	98
51) Chlorobenzene	8.809	112	710610	26.350	ug/L	98
52) Ethylbenzene	8.940	91	1275781	26.739	ug/L	99
53) m,p-Xylene	9.066	106	477043	27.034	ug/L	98
54) o-Xylene	9.474	106	456720	26.874	ug/L	98
55) Styrene	9.490	104	764045	26.929	ug/L	99
57) 1,1,2,2-Tetrachloroethane	10.175	83	157234	25.789	ug/L	98
59) Bromoform	9.661	173	90621	26.344	ug/L	99
60) Isopropylbenzene	9.860	105	1252718	27.735	ug/L	99
61) 1,2,3-Trichloropropane	10.204	75	127152	26.989	ug/L	100
62) 1,3,5-Trimethylbenzene	10.471	105	1030309	27.522	ug/L	99
63) 1,2,4-Trimethylbenzene	10.847	105	1013386	27.320	ug/L	99
64) 1,3-Dichlorobenzene	11.111	146	527496	26.217	ug/L	100
65) 1,4-Dichlorobenzene	11.204	146	523292	26.154	ug/L	99
67) 1,2-Dichlorobenzene	11.574	146	452971	26.157	ug/L	98
68) 1,2-Dibromo-3-chloropr...	12.361	75	25161	26.224	ug/L	98
69) 1,3,5-Trichlorobenzene	12.577	180	366479	26.207	ug/L	99
70) 1,2,4-trichlorobenzene	13.191	180	293197	26.226	ug/L	99
71) Naphthalene	13.432	128	469860	26.771	ug/L	99
72) 1,2,3-Trichlorobenzene	13.673	180	245933	26.208	ug/L	98

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

