

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV082124\
 Data File : VV036990.D
 Acq On : 21 Aug 2024 12:24
 Operator : SY/MD
 Sample : VSTD10055
 Misc : 5.00mL/10mL/MSVOA_V/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD100255

Quant Time: Aug 22 01:03:41 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	5.532	114	720469	25.000	ug/L	0.00
28) Chlorobenzene-d5	8.780	117	684001	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.178	152	339223	25.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.281	65	1038977	88.709	ug/L	0.00
7) Chloroethane-d5	1.535	69	843110	88.116	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.060	65	460150	89.066	ug/L	0.00
21) 2-Butanone-d5	3.818	46	192951m	109.582	ug/L	-0.03
24) Chloroform-d	4.246	84	1954737	91.387	ug/L	0.00
26) 1,2-Dichloroethane-d4	4.937	65	893408	91.529	ug/L	0.00
32) Benzene-d6	4.953	84	3927955	90.970	ug/L	0.00
36) 1,2-Dichloropropane-d6	5.985	67	1183638	92.495	ug/L	0.00
41) Toluene-d8	7.236	98	3619945	92.400	ug/L	0.00
43) trans-1,3-Dichloroprop...	7.545	79	453712	100.063	ug/L	0.00
47) 2-Hexanone-d5	8.027	63	189222	172.441	ug/L	0.00
56) 1,1,2,2-Tetrachloroeth...	10.146	84	689181	96.757	ug/L	0.00
66) 1,2-Dichlorobenzene-d4	11.554	152	1144555	90.685	ug/L	0.00
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.111	85	945644	86.541	ug/L	100
3) Chloromethane	1.220	50	1196063	90.499	ug/L	100
5) Vinyl chloride	1.285	62	1172963	92.001	ug/L	100
6) Bromomethane	1.490	94	779399	94.315	ug/L	99
8) Chloroethane	1.552	64	760915	93.781	ug/L	100
9) Trichlorofluoromethane	1.716	101	1500980	92.148	ug/L	100
10) 1,1,2-Trichloro-1,2,2-...	2.069	101	931332	92.665	ug/L	97
12) 1,1-Dichloroethene	2.072	96	902971	93.586	ug/L	92
13) Acetone	2.153	43	214771m	68.300	ug/L	
14) Carbon disulfide	2.240	76	3049973	93.903	ug/L	100
15) Methyl Acetate	2.384	43	276920	78.243	ug/L	99
16) Methylene chloride	2.445	84	1042394	65.902	ug/L	99
17) trans-1,2-Dichloroethene	2.690	96	1025081	94.851	ug/L	99
18) Methyl tert-butyl Ether	2.709	73	2186641	98.493	ug/L	99
19) 1,1-Dichloroethane	3.108	63	1976614	96.044	ug/L	100
20) cis-1,2-Dichloroethene	3.809	96	1156290	99.122	ug/L	98
22) 2-Butanone	3.908	43	258474	111.593	ug/L #	100
23) Bromochloromethane	4.143	128	456103	99.226	ug/L	99
25) Chloroform	4.272	83	1975605	95.894	ug/L	98
27) 1,2-Dichloroethane	5.037	62	1131165	100.488	ug/L	99
29) Cyclohexane	4.574	56	1642134	96.050	ug/L	100
30) 1,1,1-Trichloroethane	4.506	97	1636070	96.664	ug/L	99
31) Carbon tetrachloride	4.728	117	1372261	97.707	ug/L	100
33) Benzene	5.005	78	4270121	97.118	ug/L	100
34) Trichloroethene	5.825	95	1200541	96.159	ug/L	99
35) Methylcyclohexane	6.043	83	1778475	96.090	ug/L	99
37) 1,2-Dichloropropane	6.088	63	1088678	100.184	ug/L #	98
38) Bromodichloromethane	6.426	83	1370547	100.998	ug/L	99
39) cis-1,3-Dichloropropene	6.947	75	1710078	105.147	ug/L	99
40) 4-Methyl-2-pentanone	7.159	43	835683	186.101	ug/L	99
42) Toluene	7.310	91	4565485	98.133	ug/L	100
44) trans-1,3-Dichloropropene	7.574	75	1313875	106.539	ug/L	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
45) 1,1,2-Trichloroethane	7.764	97	699096	99.363	ug/L	99
46) Tetrachloroethene	7.899	164	813650	93.321	ug/L	99
48) 2-Hexanone	8.075	43	563444	166.472	ug/L	98
49) Dibromochloromethane	8.172	129	816857	104.442	ug/L	100
50) 1,2-Dibromoethane	8.275	107	653967	100.609	ug/L	97
51) Chlorobenzene	8.809	112	2916243	98.177	ug/L	99
52) Ethylbenzene	8.940	91	5213493	99.205	ug/L	100
53) m,p-Xylene	9.066	106	1982671	102.008	ug/L	100
54) o-Xylene	9.471	106	1925735	102.876	ug/L	98
55) Styrene	9.490	104	3255289	104.166	ug/L	100
57) 1,1,2,2-Tetrachloroethane	10.172	83	682516	101.634	ug/L	99
59) Bromoform	9.657	173	431831	108.715	ug/L	99
60) Isopropylbenzene	9.860	105	5192907	99.565	ug/L	99
61) 1,2,3-Trichloropropane	10.204	75	544785	100.141	ug/L	99
62) 1,3,5-Trimethylbenzene	10.471	105	4367341	101.028	ug/L	99
63) 1,2,4-Trimethylbenzene	10.844	105	4371819	102.069	ug/L	99
64) 1,3-Dichlorobenzene	11.111	146	2250655	96.872	ug/L	99
65) 1,4-Dichlorobenzene	11.201	146	2202856	95.347	ug/L	99
67) 1,2-Dichlorobenzene	11.574	146	1956667	97.848	ug/L	99
68) 1,2-Dibromo-3-chloropr...	12.358	75	121409	109.581	ug/L	98
69) 1,3,5-Trichlorobenzene	12.577	180	1592501	98.621	ug/L	100
70) 1,2,4-trichlorobenzene	13.191	180	1288636	99.819	ug/L	99
71) Naphthalene	13.432	128	2113956	104.308	ug/L	100
72) 1,2,3-Trichlorobenzene	13.673	180	1064240	98.213	ug/L	98

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

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