

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV070824\
 Data File : VV036471.D
 Acq On : 08 Jul 2024 17:10
 Operator : SY/MD
 Sample : VSTDCCC025EC
 Misc : 5.00g/10.0mL/MSVOA_V/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD025320

Quant Time: Jul 09 00:58:29 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM062724SMA.M
 Quant Title : VOC Analysis
 QLast Update : Tue Jul 09 00:54:05 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.529	114	285107	25.000	ug/L	0.00
28) Chlorobenzene-d5	8.783	117	298828	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.181	152	177591	25.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.272	65	151174	31.221	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	= 124.880%	
7) Chloroethane-d5	1.523	69	128057	33.111	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	= 132.440%	
11) 1,1-Dichloroethene-d2	2.047	65	67366	29.595	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	= 118.400%#	
21) 2-Butanone-d5	3.809	46	43652	38.844	ug/L	-0.03
Spiked Amount	50.000	Range	20 - 135	Recovery	= 77.680%	
24) Chloroform-d	4.240	84	251550	29.891	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	= 119.560%	
26) 1,2-Dichloroethane-d4	4.934	65	124934	27.837	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	= 111.360%	
32) Benzene-d6	4.950	84	479541	28.428	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	= 113.720%	
36) 1,2-Dichloropropane-d6	5.982	67	132120	26.039	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	= 104.160%	
41) Toluene-d8	7.236	98	460185	30.256	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	= 121.040%	
43) trans-1,3-Dichloroprop...	7.548	79	58346	25.750	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	= 103.000%	
47) 2-Hexanone-d5	8.027	63	31688	39.124	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	= 78.240%	
56) 1,1,2,2-Tetrachloroeth...	10.149	84	103501	24.885	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	= 99.520%	
66) 1,2-Dichlorobenzene-d4	11.558	152	156678	24.210	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	= 96.840%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.101	85	119060	21.979	ug/L	99
3) Chloromethane	1.211	50	88208	17.989	ug/L	99
5) Vinyl chloride	1.275	62	119377	21.083	ug/L	100
6) Bromomethane	1.481	94	85766	22.522	ug/L	99
8) Chloroethane	1.542	64	86302	24.730	ug/L	99
9) Trichlorofluoromethane	1.703	101	213340	26.382	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.056	101	141577	27.912	ug/L	95
12) 1,1-Dichloroethene	2.056	96	114156	25.420	ug/L	84
13) Acetone	2.130	43	46596	30.691	ug/L #	59
14) Carbon disulfide	2.230	76	238467	16.830	ug/L	100
15) Methyl Acetate	2.378	43	40297	20.626	ug/L	97
16) Methylene chloride	2.436	84	135224	24.092	ug/L	93
17) trans-1,2-Dichloroethene	2.683	96	102708	23.035	ug/L	93
18) Methyl tert-butyl Ether	2.699	73	239254	23.051	ug/L	98
19) 1,1-Dichloroethane	3.101	63	196035	24.727	ug/L	98
20) cis-1,2-Dichloroethene	3.805	96	110868	24.722	ug/L	94
22) 2-Butanone	3.886	43	45227	35.329	ug/L #	50
23) Bromochloromethane	4.140	128	61905	26.473	ug/L #	89
25) Chloroform	4.265	83	235927	27.901	ug/L	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.034	62	138258	25.251	ug/L	98
29) Cyclohexane	4.571	56	110064	17.288	ug/L	91
30) 1,1,1-Trichloroethane	4.503	97	199795	26.965	ug/L	98
31) Carbon tetrachloride	4.722	117	180149	27.288	ug/L	100
33) Benzene	5.002	78	430569	24.327	ug/L	100
34) Trichloroethene	5.825	95	134224	24.032	ug/L	95
35) Methylcyclohexane	6.043	83	155336	19.957	ug/L	97
37) 1,2-Dichloropropane	6.085	63	110250	24.390	ug/L #	96
38) Bromodichloromethane	6.426	83	161770	26.166	ug/L	100
39) cis-1,3-Dichloropropene	6.950	75	160945	23.155	ug/L	98
40) 4-Methyl-2-pentanone	7.156	43	102053	40.031	ug/L	98
42) Toluene	7.310	91	479109	25.889	ug/L	99
44) trans-1,3-Dichloropropene	7.577	75	148195	23.704	ug/L	98
45) 1,1,2-Trichloroethane	7.764	97	103237	25.839	ug/L	98
46) Tetrachloroethene	7.902	164	107652	26.521	ug/L	95
48) 2-Hexanone	8.075	43	69294	34.556	ug/L #	93
49) Dibromochloromethane	8.172	129	122261	27.450	ug/L	100
50) 1,2-Dibromoethane	8.278	107	98992	25.150	ug/L	98
51) Chlorobenzene	8.812	112	319519	25.257	ug/L	96
52) Ethylbenzene	8.944	91	499153	24.993	ug/L	99
53) m,p-Xylene	9.069	106	199155	26.756	ug/L	95
54) o-Xylene	9.477	106	182849	26.122	ug/L	92
55) Styrene	9.493	104	346772	28.267	ug/L	97
57) 1,1,2,2-Tetrachloroethane	10.175	83	88528	24.757	ug/L	99
59) Bromoform	9.661	173	82825	24.638	ug/L	99
60) Isopropylbenzene	9.863	105	513515	23.921	ug/L	99
61) 1,2,3-Trichloropropane	10.207	75	83539	20.844	ug/L	95
62) 1,3,5-Trimethylbenzene	10.474	105	349649	22.759	ug/L	99
63) 1,2,4-Trimethylbenzene	10.850	105	388040	23.243	ug/L	99
64) 1,3-Dichlorobenzene	11.114	146	265863	23.767	ug/L	99
65) 1,4-Dichlorobenzene	11.207	146	275537	22.979	ug/L	97
67) 1,2-Dichlorobenzene	11.577	146	248941	23.311	ug/L	99
68) 1,2-Dibromo-3-chloropr...	12.365	75	18162	20.199	ug/L	97
69) 1,3,5-Trichlorobenzene	12.580	180	185600	22.035	ug/L	99
70) 1,2,4-trichlorobenzene	13.194	180	137296	20.440	ug/L	99
71) Naphthalene	13.439	128	205283	17.141	ug/L	100
72) 1,2,3-Trichlorobenzene	13.676	180	130830	20.713	ug/L	99

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

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