

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV050824\
 Data File : VV035559.D
 Acq On : 08 May 2024 17:24
 Operator : SY/MD
 Sample : VSTDCCC025EC
 Misc : 5.00g/10.0mL/MSVOA_V/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD025356

Quant Time: May 09 01:18:44 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM050624SMA.M
 Quant Title : VOC Analysis
 QLast Update : Thu May 09 01:17:39 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.532	114	420721	25.000	ug/L	0.00
28) Chlorobenzene-d5	8.783	117	444015	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.181	152	261156	25.000	ug/L	0.00

System Monitoring Compounds						
4) Vinyl Chloride-d3	1.272	65	133842	20.582	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	82.320%
7) Chloroethane-d5	1.526	69	112329	21.412	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	85.640%
11) 1,1-Dichloroethene-d2	2.050	65	61625	21.406	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	85.640%
21) 2-Butanone-d5	3.834	46	95922	51.978	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	103.960%
24) Chloroform-d	4.246	84	294741	23.565	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	94.240%
26) 1,2-Dichloroethane-d4	4.941	65	150924	24.408	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	97.640%
32) Benzene-d6	4.957	84	538596	22.160	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	88.640%
36) 1,2-Dichloropropane-d6	5.986	67	170292	22.703	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	90.800%
41) Toluene-d8	7.239	98	495373	22.900	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	91.600%
43) trans-1,3-Dichloroprop...	7.551	79	74128	23.108	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	92.440%
47) 2-Hexanone-d5	8.030	63	77808	57.689	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	115.380%
56) 1,1,2,2-Tetrachloroeth...	10.149	84	195259	27.015	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	108.040%
66) 1,2-Dichlorobenzene-d4	11.558	152	203042	22.403	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	89.600%

Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.101	85	223299	26.106	ug/L	99
3) Chloromethane	1.211	50	202066	23.529	ug/L	100
5) Vinyl chloride	1.278	62	228651	25.771	ug/L	100
6) Bromomethane	1.484	94	138945	24.733	ug/L	99
8) Chloroethane	1.545	64	145336	26.573	ug/L	100
9) Trichlorofluoromethane	1.709	101	326048	28.155	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.063	101	213358	29.200	ug/L	98
12) 1,1-Dichloroethene	2.063	96	178545	27.053	ug/L	97
13) Acetone	2.156	43	120998	44.791	ug/L	100
14) Carbon disulfide	2.233	76	493365	23.601	ug/L	99
15) Methyl Acetate	2.384	43	101777	24.867	ug/L #	89
16) Methylene chloride	2.442	84	245765	25.332	ug/L	97
17) trans-1,2-Dichloroethene	2.690	96	197868	27.006	ug/L	97
18) Methyl tert-butyl Ether	2.703	73	550915	31.172	ug/L	99
19) 1,1-Dichloroethane	3.105	63	391732	28.519	ug/L	100
20) cis-1,2-Dichloroethene	3.809	96	217984	27.445	ug/L	98
22) 2-Butanone	3.912	43	123860	49.372	ug/L	91
23) Bromochloromethane	4.143	128	111224	28.953	ug/L	96
25) Chloroform	4.272	83	408451	28.797	ug/L	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.037	62	266393	30.161	ug/L	100
29) Cyclohexane	4.577	56	288422	27.164	ug/L	100
30) 1,1,1-Trichloroethane	4.507	97	351478	28.549	ug/L	100
31) Carbon tetrachloride	4.732	117	309231	28.627	ug/L	100
33) Benzene	5.005	78	825257	28.083	ug/L	100
34) Trichloroethene	5.831	95	234306	28.187	ug/L	99
35) Methylcyclohexane	6.047	83	348423	27.609	ug/L	99
37) 1,2-Dichloropropane	6.088	63	224857	29.328	ug/L	100
38) Bromodichloromethane	6.429	83	298937	28.782	ug/L	100
39) cis-1,3-Dichloropropene	6.950	75	344257	28.708	ug/L	100
40) 4-Methyl-2-pentanone	7.159	43	298453	64.998	ug/L	99
42) Toluene	7.313	91	898696	28.898	ug/L	99
44) trans-1,3-Dichloropropene	7.580	75	316050	30.128	ug/L	98
45) 1,1,2-Trichloroethane	7.767	97	199007	30.549	ug/L	99
46) Tetrachloroethene	7.902	164	187275	27.731	ug/L	99
48) 2-Hexanone	8.079	43	212243	61.649	ug/L	98
49) Dibromochloromethane	8.175	129	222229	30.232	ug/L	98
50) 1,2-Dibromoethane	8.281	107	192991	30.072	ug/L	98
51) Chlorobenzene	8.812	112	607666	28.160	ug/L	99
52) Ethylbenzene	8.944	91	1001277	29.161	ug/L	100
53) m,p-Xylene	9.069	106	381952	29.320	ug/L	100
54) o-Xylene	9.477	106	366645	29.696	ug/L	100
55) Styrene	9.493	104	663494	30.810	ug/L	98
57) 1,1,2,2-Tetrachloroethane	10.175	83	249426	31.432	ug/L	99
59) Bromoform	9.664	173	156529	30.499	ug/L	100
60) Isopropylbenzene	9.866	105	1029347	29.589	ug/L	100
61) 1,2,3-Trichloropropane	10.207	75	190693	31.161	ug/L	99
62) 1,3,5-Trimethylbenzene	10.474	105	829354	30.390	ug/L	99
63) 1,2,4-Trimethylbenzene	10.850	105	831072	29.635	ug/L	99
64) 1,3-Dichlorobenzene	11.114	146	509571	27.912	ug/L	99
65) 1,4-Dichlorobenzene	11.207	146	522360	27.638	ug/L	100
67) 1,2-Dichlorobenzene	11.577	146	480241	27.945	ug/L	99
68) 1,2-Dibromo-3-chloropr...	12.361	75	45715	32.210	ug/L	95
69) 1,3,5-Trichlorobenzene	12.580	180	397239	27.844	ug/L	100
70) 1,2,4-trichlorobenzene	13.194	180	335019	28.123	ug/L	100
71) Naphthalene	13.435	128	616427	29.475	ug/L	100
72) 1,2,3-Trichlorobenzene	13.677	180	316016	29.488	ug/L	100

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

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