

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV050824\
 Data File : VV035554.D
 Acq On : 08 May 2024 08:57
 Operator : SY/MD
 Sample : VSTDCCC025
 Misc : 5.00g/10.0mL/MSVOA_V/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD025355

Quant Time: May 09 01:15:12 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM050624SMA.M
 Quant Title : VOC Analysis
 QLast Update : Wed May 08 02:24:43 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.529	114	424931	25.000	ug/L	0.00
28) Chlorobenzene-d5	8.783	117	431914	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.182	152	250575	25.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.275	65	137035	20.865	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	83.440%
7) Chloroethane-d5	1.529	69	115920	21.878	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	87.520%
11) 1,1-Dichloroethene-d2	2.053	65	61911	21.292	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	85.160%
21) 2-Butanone-d5	3.844	46	84384m	45.273	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	90.540%
24) Chloroform-d	4.243	84	287625	22.768	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	91.080%
26) 1,2-Dichloroethane-d4	4.937	65	135881	21.757	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	87.040%
32) Benzene-d6	4.953	84	529420	22.392	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	89.560%
36) 1,2-Dichloropropane-d6	5.982	67	162638	22.290	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	89.160%
41) Toluene-d8	7.240	98	478824	22.756	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	91.040%
43) trans-1,3-Dichloroprop...	7.551	79	70056	22.451	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	89.800%
47) 2-Hexanone-d5	8.031	63	56318	42.925	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	85.860%
56) 1,1,2,2-Tetrachloroeth...	10.149	84	158772	22.582	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	90.320%
66) 1,2-Dichlorobenzene-d4	11.558	152	183978	21.156	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	84.640%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.105	85	224353	25.969	ug/L	100
3) Chloromethane	1.211	50	206123	23.764	ug/L	99
5) Vinyl chloride	1.278	62	233031	26.005	ug/L	99
6) Bromomethane	1.484	94	141515	24.941	ug/L	100
8) Chloroethane	1.545	64	145699	26.376	ug/L	99
9) Trichlorofluoromethane	1.709	101	323904	27.692	ug/L	100
10) 1,1,2-Trichloro-1,2,2-...	2.063	101	211365	28.641	ug/L	100
12) 1,1-Dichloroethene	2.063	96	180221	27.037	ug/L	95
13) Acetone	2.156	43	112611m	41.273	ug/L	
14) Carbon disulfide	2.233	76	497022	23.541	ug/L	99
15) Methyl Acetate	2.384	43	97246m	23.525	ug/L	
16) Methylene chloride	2.442	84	215242	21.966	ug/L	97
17) trans-1,2-Dichloroethene	2.687	96	196529	26.558	ug/L	97
18) Methyl tert-butyl Ether	2.700	73	476120	26.673	ug/L	99
19) 1,1-Dichloroethane	3.105	63	383619	27.652	ug/L	99
20) cis-1,2-Dichloroethene	3.809	96	212010	26.428	ug/L	97
22) 2-Butanone	3.912	43	115064m	45.411	ug/L	
23) Bromochloromethane	4.143	128	103456	26.664	ug/L	95
25) Chloroform	4.269	83	394427	27.533	ug/L	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.037	62	235472	26.396	ug/L	100
29) Cyclohexane	4.574	56	287346	27.820	ug/L	100
30) 1,1,1-Trichloroethane	4.503	97	344597	28.774	ug/L	99
31) Carbon tetrachloride	4.728	117	306666	29.185	ug/L	99
33) Benzene	5.002	78	806279	28.206	ug/L	100
34) Trichloroethene	5.828	95	224950	27.820	ug/L	97
35) Methylcyclohexane	6.043	83	343251	27.961	ug/L	99
37) 1,2-Dichloropropane	6.088	63	211930	28.416	ug/L	99
38) Bromodichloromethane	6.426	83	283989	28.109	ug/L	99
39) cis-1,3-Dichloropropene	6.950	75	323570	27.739	ug/L	99
40) 4-Methyl-2-pentanone	7.159	43	226757	50.767	ug/L	98
42) Toluene	7.310	91	869679	28.748	ug/L	100
44) trans-1,3-Dichloropropene	7.577	75	278588	27.301	ug/L	100
45) 1,1,2-Trichloroethane	7.764	97	172676	27.249	ug/L	99
46) Tetrachloroethene	7.902	164	182011	27.707	ug/L	99
48) 2-Hexanone	8.079	43	160170	47.827	ug/L	98
49) Dibromochloromethane	8.172	129	196732	27.514	ug/L	99
50) 1,2-Dibromoethane	8.278	107	165270	26.474	ug/L	97
51) Chlorobenzene	8.809	112	568633	27.090	ug/L	98
52) Ethylbenzene	8.944	91	967792	28.975	ug/L	100
53) m,p-Xylene	9.069	106	367594	29.008	ug/L	98
54) o-Xylene	9.474	106	350872	29.214	ug/L	100
55) Styrene	9.493	104	625187	29.845	ug/L	99
57) 1,1,2,2-Tetrachloroethane	10.175	83	201955	26.163	ug/L	100
59) Bromoform	9.661	173	131093	26.621	ug/L	99
60) Isopropylbenzene	9.863	105	987127	29.574	ug/L	100
61) 1,2,3-Trichloropropane	10.207	75	149174	25.405	ug/L	100
62) 1,3,5-Trimethylbenzene	10.474	105	796640	30.424	ug/L	99
63) 1,2,4-Trimethylbenzene	10.850	105	787680	29.273	ug/L	99
64) 1,3-Dichlorobenzene	11.114	146	478084	27.293	ug/L	99
65) 1,4-Dichlorobenzene	11.204	146	484586	26.722	ug/L	99
67) 1,2-Dichlorobenzene	11.577	146	437658	26.542	ug/L	100
68) 1,2-Dibromo-3-chloropr...	12.362	75	33689	24.739	ug/L	97
69) 1,3,5-Trichlorobenzene	12.580	180	362941	26.514	ug/L	100
70) 1,2,4-trichlorobenzene	13.194	180	292554	25.595	ug/L	100
71) Naphthalene	13.435	128	451618	22.507	ug/L	100
72) 1,2,3-Trichlorobenzene	13.677	180	262047	25.485	ug/L	99

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

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