

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV083024\
 Data File : VV037183.D
 Acq On : 30 Aug 2024 08:40
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA_V/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD050381

Quant Time: Aug 31 00:15:07 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM082624WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Aug 30 01:20:16 2024
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 09/03/2024
 Supervised By :Mahesh Dadoda 09/03/2024

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

Internal Standards						
1) 1,4-Difluorobenzene	5.526	114	633575	50.000	ug/L	0.00
28) Chlorobenzene-d5	8.776	117	612235	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.178	152	319201	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.278	65	216131	37.292	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	74.580%
7) Chloroethane-d5	1.532	69	179890	40.161	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	80.320%
11) 1,1-Dichloroethene-d2	2.056	65	95412	39.168	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	78.340%
21) 2-Butanone-d5	3.786	46	173680m	77.384	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	77.380%
24) Chloroform-d	4.240	84	406107	44.771	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	89.540%
26) 1,2-Dichloroethane-d4	4.934	65	244916	42.875	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	85.760%
32) Benzene-d6	4.950	84	782945	42.340	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	84.680%
36) 1,2-Dichloropropane-d6	5.982	67	249217	43.029	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	86.060%
41) Toluene-d8	7.236	98	704143	42.192	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	84.380%
43) trans-1,3-Dichloroprop...	7.545	79	111011	41.428	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	82.860%
47) 2-Hexanone-d5	8.021	63	115942	73.348	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	73.350%
56) 1,1,2,2-Tetrachloroeth...	10.146	84	291058	41.435	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	82.860%
66) 1,2-Dichlorobenzene-d4	11.554	152	263188	41.168	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	82.340%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.108	85	272748	50.943	ug/L	100
3) Chloromethane	1.217	50	270266	44.886	ug/L	99
5) Vinyl chloride	1.285	62	281660	49.829	ug/L	100
6) Bromomethane	1.487	94	161240	50.908	ug/L	100
8) Chloroethane	1.548	64	175504	50.761	ug/L	99
9) Trichlorofluoromethane	1.712	101	374351	50.749	ug/L	100
10) 1,1,2-Trichloro-1,2,2-...	2.066	101	230479	52.532	ug/L	99
12) 1,1-Dichloroethene	2.069	96	207746	50.259	ug/L	95
13) Acetone	2.108	43	204531	84.972	ug/L	99
14) Carbon disulfide	2.240	76	594774	47.398	ug/L	100
15) Methyl Acetate	2.368	43	179960	44.595	ug/L	100
16) Methylene chloride	2.442	84	235596	50.517	ug/L	99
17) trans-1,2-Dichloroethene	2.687	96	217488	50.684	ug/L	98
18) Methyl tert-butyl Ether	2.703	73	649711	48.132	ug/L	100
19) 1,1-Dichloroethane	3.105	63	436838	51.262	ug/L	100
20) cis-1,2-Dichloroethene	3.805	96	239804	50.574	ug/L	99
22) 2-Butanone	3.867	43	215483	81.308	ug/L	99
23) Bromochloromethane	4.137	128	117075	50.298	ug/L	97
25) Chloroform	4.265	83	435207	50.427	ug/L	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.034	62	317016	50.076	ug/L	100
29) Cyclohexane	4.571	56	357646	49.683	ug/L	99
30) 1,1,1-Trichloroethane	4.503	97	355633	50.483	ug/L	100
31) Carbon tetrachloride	4.722	117	306314	51.531	ug/L	99
33) Benzene	4.998	78	915036	51.789	ug/L	100
34) Trichloroethene	5.825	95	238836	51.214	ug/L	98
35) Methylcyclohexane	6.040	83	383365	50.596	ug/L	99
37) 1,2-Dichloropropane	6.085	63	244359	51.587	ug/L	100
38) Bromodichloromethane	6.426	83	306691	50.516	ug/L	99
39) cis-1,3-Dichloropropene	6.947	75	381119	50.985	ug/L	100
40) 4-Methyl-2-pentanone	7.153	43	415037	86.185	ug/L	99
42) Toluene	7.307	91	955839	51.958	ug/L	100
44) trans-1,3-Dichloropropene	7.574	75	334041	49.995	ug/L	99
45) 1,1,2-Trichloroethane	7.760	97	220062	49.907	ug/L	99
46) Tetrachloroethene	7.895	164	175861	52.557	ug/L	98
48) 2-Hexanone	8.069	43	313740	84.241	ug/L	98
49) Dibromochloromethane	8.169	129	221924	50.263	ug/L	98
50) 1,2-Dibromoethane	8.275	107	219385	49.168	ug/L	99
51) Chlorobenzene	8.805	112	620046	50.911	ug/L	99
52) Ethylbenzene	8.937	91	1076663	51.814	ug/L	100
53) m,p-Xylene	9.066	106	404927	52.595	ug/L	99
54) o-Xylene	9.471	106	390811	51.844	ug/L	97
55) Styrene	9.487	104	685721	52.425	ug/L	99
57) 1,1,2,2-Tetrachloroethane	10.172	83	300046	45.945	ug/L	99
59) Bromoform	9.657	173	135971	45.745	ug/L	99
60) Isopropylbenzene	9.860	105	1065548	51.492	ug/L	100
61) 1,2,3-Trichloropropane	10.201	75	223400	44.990	ug/L	100
62) 1,3,5-Trimethylbenzene	10.468	105	868084	51.273	ug/L	100
63) 1,2,4-Trimethylbenzene	10.844	105	861664	50.998	ug/L	100
64) 1,3-Dichlorobenzene	11.111	146	476733	49.891	ug/L	99
65) 1,4-Dichlorobenzene	11.201	146	493665	50.477	ug/L	100
67) 1,2-Dichlorobenzene	11.570	146	467338	49.740	ug/L	99
68) 1,2-Dibromo-3-chloropr...	12.358	75	50737	40.972	ug/L	98
69) 1,3,5-Trichlorobenzene	12.574	180	332599	50.024	ug/L	98
70) 1,2,4-trichlorobenzene	13.191	180	301880	48.217	ug/L	99
71) Naphthalene	13.432	128	786244	43.490	ug/L	100
72) 1,2,3-Trichlorobenzene	13.673	180	295831	47.948	ug/L	100

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

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