

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VV093024\
 Data File : VV037642.D
 Acq On : 30 Sep 2024 10:06
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5mL/MSVOA_V/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD050285

Quant Time: Oct 01 02:00:48 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM092624WMA.M
 Quant Title : VOC Analysis
 QLast Update : Sat Sep 28 00:49:19 2024
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 10/01/2024
 Supervised By :Mahesh Dadoda 10/01/2024

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

Internal Standards						
1) 1,4-Difluorobenzene	5.526	114	709919	50.000	ug/L	0.00
28) Chlorobenzene-d5	8.776	117	693852	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.178	152	387749	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.278	65	282166	45.277	ug/L	0.00
Spiked Amount 50.000	Range 60 - 135		Recovery =	90.560%		
7) Chloroethane-d5	1.532	69	220260	45.534	ug/L	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery =	91.060%		
11) 1,1-Dichloroethene-d2	2.060	65	120746	46.376	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	92.760%		
21) 2-Butanone-d5	3.786	46	178846m	80.572	ug/L	0.00
Spiked Amount 100.000	Range 40 - 130		Recovery =	80.570%		
24) Chloroform-d	4.236	84	510604	46.053	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	92.100%		
26) 1,2-Dichloroethane-d4	4.931	65	295666	45.559	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	91.120%		
32) Benzene-d6	4.950	84	1001796	46.140	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	92.280%		
36) 1,2-Dichloropropane-d6	5.979	67	308104	44.564	ug/L	0.00
Spiked Amount 50.000	Range 70 - 120		Recovery =	89.120%		
41) Toluene-d8	7.233	98	935119	47.497	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	95.000%		
43) trans-1,3-Dichloroprop...	7.545	79	142141	44.257	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	88.520%		
47) 2-Hexanone-d5	8.021	63	116038	79.484	ug/L	0.00
Spiked Amount 100.000	Range 45 - 130		Recovery =	79.480%		
56) 1,1,2,2-Tetrachloroeth...	10.146	84	339468	42.258	ug/L	0.00
Spiked Amount 50.000	Range 65 - 120		Recovery =	84.520%		
66) 1,2-Dichlorobenzene-d4	11.551	152	358098	43.827	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	87.660%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.108	85	291260	48.193	ug/L	100
3) Chloromethane	1.217	50	275246	46.911	ug/L	100
5) Vinyl chloride	1.285	62	294295	46.786	ug/L	99
6) Bromomethane	1.487	94	166079	47.576	ug/L	100
8) Chloroethane	1.548	64	183938	47.443	ug/L	100
9) Trichlorofluoromethane	1.712	101	412353	48.701	ug/L	100
10) 1,1,2-Trichloro-1,2,2-...	2.066	101	251772	49.761	ug/L	100
12) 1,1-Dichloroethene	2.069	96	227856	48.210	ug/L	83
13) Acetone	2.108	43	187905	86.354	ug/L	96
14) Carbon disulfide	2.240	76	674262	45.704	ug/L	100
15) Methyl Acetate	2.368	43	171763	45.232	ug/L	98
16) Methylene chloride	2.442	84	253150	47.305	ug/L	96
17) trans-1,2-Dichloroethene	2.690	96	239752	47.951	ug/L	97
18) Methyl tert-butyl Ether	2.699	73	683919	47.677	ug/L	99
19) 1,1-Dichloroethane	3.101	63	458823	47.895	ug/L	99
20) cis-1,2-Dichloroethene	3.805	96	269946	48.246	ug/L	99
22) 2-Butanone	3.867	43	207174	86.019	ug/L	97
23) Bromochloromethane	4.137	128	144758	50.015	ug/L	95
25) Chloroform	4.265	83	481937	48.590	ug/L	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.034	62	333226	47.590	ug/L	99
29) Cyclohexane	4.571	56	357843	45.423	ug/L	99
30) 1,1,1-Trichloroethane	4.500	97	413288	48.362	ug/L	100
31) Carbon tetrachloride	4.722	117	364777	49.097	ug/L	99
33) Benzene	4.998	78	1003831	47.971	ug/L	100
34) Trichloroethene	5.821	95	264922	47.539	ug/L	99
35) Methylcyclohexane	6.040	83	409089	47.718	ug/L	99
37) 1,2-Dichloropropane	6.085	63	263810	48.821	ug/L	98
38) Bromodichloromethane	6.423	83	348381	48.229	ug/L	99
39) cis-1,3-Dichloropropene	6.947	75	415831	48.208	ug/L	98
40) 4-Methyl-2-pentanone	7.153	43	393858	89.520	ug/L	99
42) Toluene	7.307	91	1078516	49.716	ug/L	99
44) trans-1,3-Dichloropropene	7.574	75	369824	47.622	ug/L	100
45) 1,1,2-Trichloroethane	7.760	97	250016	48.186	ug/L	99
46) Tetrachloroethene	7.895	164	209983	49.283	ug/L	99
48) 2-Hexanone	8.069	43	296884	86.780	ug/L	99
49) Dibromochloromethane	8.169	129	270731	49.300	ug/L	99
50) 1,2-Dibromoethane	8.275	107	256363	47.798	ug/L	99
51) Chlorobenzene	8.805	112	711551	48.143	ug/L	99
52) Ethylbenzene	8.937	91	1184740	48.516	ug/L	100
53) m,p-Xylene	9.066	106	456271	50.205	ug/L	99
54) o-Xylene	9.471	106	439157	49.495	ug/L	97
55) Styrene	9.487	104	796097	51.541	ug/L	100
57) 1,1,2,2-Tetrachloroethane	10.169	83	335557	46.386	ug/L	99
59) Bromoform	9.657	173	183315	48.371	ug/L	98
60) Isopropylbenzene	9.860	105	1195941	47.441	ug/L	99
61) 1,2,3-Trichloropropane	10.201	75	244700	44.350	ug/L	99
62) 1,3,5-Trimethylbenzene	10.468	105	959761	48.155	ug/L	100
63) 1,2,4-Trimethylbenzene	10.844	105	961483	48.486	ug/L	99
64) 1,3-Dichlorobenzene	11.111	146	578824	47.703	ug/L	99
65) 1,4-Dichlorobenzene	11.201	146	607671	48.094	ug/L	99
67) 1,2-Dichlorobenzene	11.570	146	571919	47.679	ug/L	99
68) 1,2-Dibromo-3-chloropr...	12.358	75	54221	40.483	ug/L	96
69) 1,3,5-Trichlorobenzene	12.574	180	397374	47.622	ug/L	100
70) 1,2,4-trichlorobenzene	13.191	180	352955	45.591	ug/L	100
71) Naphthalene	13.432	128	821344	40.607	ug/L	100
72) 1,2,3-Trichlorobenzene	13.673	180	342989	44.863	ug/L	99

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

