

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV082724\
 Data File : VV037068.D
 Acq On : 27 Aug 2024 08:10
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA_V/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD050373

Quant Time: Aug 28 04:11:23 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM082624WMA.M
 Quant Title : VOC Analysis
 QLast Update : Tue Aug 27 03:16:59 2024
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 08/28/2024
 Supervised By :Semsettin Yesilyurt 08/28/2024

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

Internal Standards						
1) 1,4-Difluorobenzene	5.526	114	629509	50.000	ug/L	0.00
28) Chlorobenzene-d5	8.779	117	611397	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.178	152	310131	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.278	65	267557	46.463	ug/L	0.00
Spiked Amount 50.000	Range 60 - 135		Recovery =	92.920%		
7) Chloroethane-d5	1.529	69	214201	48.129	ug/L	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery =	96.260%		
11) 1,1-Dichloroethene-d2	2.056	65	115274	47.628	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	95.260%		
21) 2-Butanone-d5	3.789	46	209341m	93.876	ug/L	0.00
Spiked Amount 100.000	Range 40 - 130		Recovery =	93.880%		
24) Chloroform-d	4.239	84	457280	50.738	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	101.480%		
26) 1,2-Dichloroethane-d4	4.934	65	277949	48.972	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	97.940%		
32) Benzene-d6	4.950	84	899463	48.708	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	97.420%		
36) 1,2-Dichloropropane-d6	5.982	67	283486	49.012	ug/L	0.00
Spiked Amount 50.000	Range 70 - 120		Recovery =	98.020%		
41) Toluene-d8	7.236	98	815872	48.954	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	97.900%		
43) trans-1,3-Dichloroprop...	7.548	79	127896	47.795	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	95.600%		
47) 2-Hexanone-d5	8.021	63	149280	94.568	ug/L	0.00
Spiked Amount 100.000	Range 45 - 130		Recovery =	94.570%		
56) 1,1,2,2-Tetrachloroeth...	10.146	84	339017	48.328	ug/L	0.00
Spiked Amount 50.000	Range 65 - 120		Recovery =	96.660%		
66) 1,2-Dichlorobenzene-d4	11.554	152	298115	47.996	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	96.000%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.108	85	277227	52.114	ug/L	99
3) Chloromethane	1.217	50	279570	46.731	ug/L	100
5) Vinyl chloride	1.281	62	293124	52.192	ug/L	99
6) Bromomethane	1.487	94	154473	49.086	ug/L	98
8) Chloroethane	1.548	64	183920	53.539	ug/L	99
9) Trichlorofluoromethane	1.712	101	396950	54.160	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.066	101	235862	54.106	ug/L	99
12) 1,1-Dichloroethene	2.066	96	214787	52.298	ug/L	88
13) Acetone	2.111	43	213942	89.455	ug/L	100
14) Carbon disulfide	2.236	76	641666	51.465	ug/L	100
15) Methyl Acetate	2.368	43	204780	51.073	ug/L	100
16) Methylene chloride	2.442	84	245248	52.926	ug/L	99
17) trans-1,2-Dichloroethene	2.686	96	226544	53.135	ug/L	99
18) Methyl tert-butyl Ether	2.703	73	703222	52.433	ug/L	100
19) 1,1-Dichloroethane	3.104	63	453678	53.581	ug/L	99
20) cis-1,2-Dichloroethene	3.805	96	245479	52.105	ug/L	99
22) 2-Butanone	3.870	43	243922	92.634	ug/L	98
23) Bromochloromethane	4.137	128	122719	53.064	ug/L	96
25) Chloroform	4.268	83	433389	50.541	ug/L	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.034	62	335465	53.332	ug/L	99
29) Cyclohexane	4.571	56	372858	51.867	ug/L	99
30) 1,1,1-Trichloroethane	4.503	97	365280	51.924	ug/L	99
31) Carbon tetrachloride	4.725	117	311309	52.443	ug/L	98
33) Benzene	5.002	78	924701	52.407	ug/L	100
34) Trichloroethene	5.825	95	241449	51.845	ug/L	98
35) Methylcyclohexane	6.043	83	400440	52.922	ug/L	98
37) 1,2-Dichloropropane	6.085	63	245634	51.928	ug/L	100
38) Bromodichloromethane	6.426	83	315209	51.991	ug/L	98
39) cis-1,3-Dichloropropene	6.947	75	388386	52.029	ug/L	100
40) 4-Methyl-2-pentanone	7.156	43	472589	98.271	ug/L	100
42) Toluene	7.307	91	978279	53.251	ug/L	100
44) trans-1,3-Dichloropropene	7.574	75	346867	51.986	ug/L	98
45) 1,1,2-Trichloroethane	7.763	97	226538	51.446	ug/L	96
46) Tetrachloroethene	7.899	164	177908	53.242	ug/L	99
48) 2-Hexanone	8.072	43	352297	94.723	ug/L	99
49) Dibromochloromethane	8.169	129	227303	51.552	ug/L	99
50) 1,2-Dibromoethane	8.275	107	233885	52.489	ug/L	99
51) Chlorobenzene	8.808	112	629393	51.750	ug/L	100
52) Ethylbenzene	8.940	91	1110298	53.506	ug/L	99
53) m,p-Xylene	9.066	106	411724	53.551	ug/L	99
54) o-Xylene	9.471	106	401295	53.308	ug/L	99
55) Styrene	9.490	104	708138	54.213	ug/L	100
57) 1,1,2,2-Tetrachloroethane	10.172	83	334908	51.353	ug/L	100
59) Bromoform	9.657	173	144836	50.153	ug/L	99
60) Isopropylbenzene	9.860	105	1092751	54.351	ug/L	99
61) 1,2,3-Trichloropropane	10.204	75	246502	51.094	ug/L	99
62) 1,3,5-Trimethylbenzene	10.471	105	895152	54.418	ug/L	100
63) 1,2,4-Trimethylbenzene	10.844	105	895620	54.558	ug/L	100
64) 1,3-Dichlorobenzene	11.111	146	489557	52.731	ug/L	99
65) 1,4-Dichlorobenzene	11.204	146	501188	52.745	ug/L	99
67) 1,2-Dichlorobenzene	11.574	146	476327	52.180	ug/L	99
68) 1,2-Dibromo-3-chloropr...	12.358	75	59642	49.572	ug/L	98
69) 1,3,5-Trichlorobenzene	12.577	180	341934	52.932	ug/L	98
70) 1,2,4-trichlorobenzene	13.191	180	316411	52.016	ug/L	99
71) Naphthalene	13.432	128	884365	50.348	ug/L	100
72) 1,2,3-Trichlorobenzene	13.673	180	310827	51.852	ug/L	100

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

