

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VV101424\
 Data File : VV037859.D
 Acq On : 14 Oct 2024 16:04
 Operator : SY/MD
 Sample : VSTDCC050EC
 Misc : 5mL/MSVOA_V/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD050307

Quant Time: Oct 15 02:23:49 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM092624WMA.M
 Quant Title : VOC Analysis
 QLast Update : Tue Oct 15 02:19:17 2024
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 10/15/2024
 Supervised By :Mahesh Dadoda 10/15/2024

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

Internal Standards						
1) 1,4-Difluorobenzene	5.529	114	594755	50.000	ug/L	0.00
28) Chlorobenzene-d5	8.780	117	593991	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.178	152	339141	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.278	65	173486	33.229	ug/L	0.00
Spiked Amount 50.000	Range 60 - 135		Recovery =	66.460%		
7) Chloroethane-d5	1.532	69	162138	40.008	ug/L	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery =	80.020%		
11) 1,1-Dichloroethene-d2	2.060	65	84112	38.561	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	77.120%		
21) 2-Butanone-d5	3.796	46	192247m	103.380	ug/L	0.00
Spiked Amount 100.000	Range 40 - 130		Recovery =	103.380%		
24) Chloroform-d	4.243	84	442952	47.687	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	95.380%		
26) 1,2-Dichloroethane-d4	4.937	65	255036	46.908	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	93.820%		
32) Benzene-d6	4.953	84	806826	43.408	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	86.820%		
36) 1,2-Dichloropropane-d6	5.982	67	265313	44.826	ug/L	0.00
Spiked Amount 50.000	Range 70 - 120		Recovery =	89.660%		
41) Toluene-d8	7.236	98	731207	43.384	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	86.760%		
43) trans-1,3-Dichloroprop...	7.548	79	118799	43.208	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	86.420%		
47) 2-Hexanone-d5	8.024	63	127438	101.968	ug/L	0.00
Spiked Amount 100.000	Range 45 - 130		Recovery =	101.970%		
56) 1,1,2,2-Tetrachloroeth...	10.146	84	347137	50.477	ug/L	0.00
Spiked Amount 50.000	Range 65 - 120		Recovery =	100.960%		
66) 1,2-Dichlorobenzene-d4	11.551	152	307206	42.988	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	85.980%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.108	85	219571	43.366	ug/L	99
3) Chloromethane	1.220	50	221573	45.076	ug/L	99
5) Vinyl chloride	1.285	62	237623	45.091	ug/L	99
6) Bromomethane	1.487	94	135708	46.404	ug/L	100
8) Chloroethane	1.548	64	151767	46.725	ug/L	99
9) Trichlorofluoromethane	1.712	101	343371	48.406	ug/L	100
10) 1,1,2-Trichloro-1,2,2-...	2.069	101	208353	49.153	ug/L	99
12) 1,1-Dichloroethene	2.069	96	183978	46.464	ug/L	83
13) Acetone	2.114	43	158938	87.185	ug/L	100
14) Carbon disulfide	2.240	76	502220	40.634	ug/L	99
15) Methyl Acetate	2.372	43	170518	53.599	ug/L	99
16) Methylene chloride	2.442	84	218086	48.644	ug/L	98
17) trans-1,2-Dichloroethene	2.690	96	198985	47.503	ug/L	98
18) Methyl tert-butyl Ether	2.706	73	630268	52.444	ug/L	99
19) 1,1-Dichloroethane	3.105	63	399316	49.755	ug/L	99
20) cis-1,2-Dichloroethene	3.806	96	236096	50.367	ug/L	99
22) 2-Butanone	3.876	43	195972	97.123	ug/L	96
23) Bromochloromethane	4.140	128	124446	51.323	ug/L	99
25) Chloroform	4.269	83	430151	51.766	ug/L	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.037	62	309220	52.713	ug/L	99
29) Cyclohexane	4.571	56	291974	43.293	ug/L	99
30) 1,1,1-Trichloroethane	4.503	97	362243	49.515	ug/L	100
31) Carbon tetrachloride	4.725	117	310106	48.756	ug/L	99
33) Benzene	5.002	78	889817	49.671	ug/L	100
34) Trichloroethene	5.825	95	233467	48.937	ug/L	98
35) Methylcyclohexane	6.043	83	334400	45.564	ug/L	99
37) 1,2-Dichloropropane	6.088	63	234435	50.679	ug/L	98
38) Bromodichloromethane	6.426	83	318408	51.490	ug/L	96
39) cis-1,3-Dichloropropene	6.947	75	370454	50.168	ug/L	99
40) 4-Methyl-2-pentanone	7.156	43	402722	106.923	ug/L	99
42) Toluene	7.307	91	936543	50.429	ug/L	100
44) trans-1,3-Dichloropropene	7.577	75	337028	50.695	ug/L	100
45) 1,1,2-Trichloroethane	7.764	97	234689	52.836	ug/L	98
46) Tetrachloroethene	7.899	164	173207	47.486	ug/L	98
48) 2-Hexanone	8.072	43	300409	102.573	ug/L	98
49) Dibromochloromethane	8.169	129	245573	52.237	ug/L	99
50) 1,2-Dibromoethane	8.275	107	232477	50.632	ug/L	99
51) Chlorobenzene	8.809	112	633173	50.043	ug/L	98
52) Ethylbenzene	8.940	91	1034078	49.466	ug/L	100
53) m,p-Xylene	9.066	106	397958	51.150	ug/L	100
54) o-Xylene	9.471	106	388844	51.193	ug/L	94
55) Styrene	9.487	104	711138	53.781	ug/L	99
57) 1,1,2,2-Tetrachloroethane	10.169	83	323881	52.299	ug/L	98
59) Bromoform	9.657	173	164123	49.514	ug/L	98
60) Isopropylbenzene	9.860	105	1038424	47.096	ug/L	100
61) 1,2,3-Trichloropropane	10.201	75	237510	49.217	ug/L	99
62) 1,3,5-Trimethylbenzene	10.468	105	831945	47.725	ug/L	100
63) 1,2,4-Trimethylbenzene	10.844	105	825453	47.592	ug/L	100
64) 1,3-Dichlorobenzene	11.111	146	505335	47.615	ug/L	99
65) 1,4-Dichlorobenzene	11.201	146	531939	48.135	ug/L	100
67) 1,2-Dichlorobenzene	11.570	146	502300	47.877	ug/L	99
68) 1,2-Dibromo-3-chloropr...	12.358	75	54740	46.729	ug/L	98
69) 1,3,5-Trichlorobenzene	12.574	180	336231	46.070	ug/L	100
70) 1,2,4-trichlorobenzene	13.191	180	302477	44.670	ug/L	99
71) Naphthalene	13.432	128	791377	44.733	ug/L	100
72) 1,2,3-Trichlorobenzene	13.673	180	305748	45.724	ug/L	99

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

Manual Integrations

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