

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VV092624\
 Data File : VV037566.D
 Acq On : 26 Sep 2024 22:15
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5mL/MSVOA_V/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD050399

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 09/30/2024
 Supervised By :Mahesh Dadoda 09/30/2024

Quant Time: Sep 27 02:20:28 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM092624WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Sep 27 00:49:09 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.529	114	683165	50.000	ug/L	0.00
28) Chlorobenzene-d5	8.780	117	643874	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.178	152	344312	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.278	65	227031	37.857	ug/L	0.00
Spiked Amount 50.000	Range 60 - 135		Recovery =	75.720%		
7) Chloroethane-d5	1.532	69	189499	40.709	ug/L	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery =	81.420%		
11) 1,1-Dichloroethene-d2	2.056	65	101841	40.647	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	81.300%		
21) 2-Butanone-d5	3.793	46	233676m	109.396	ug/L	0.00
Spiked Amount 100.000	Range 40 - 130		Recovery =	109.400%		
24) Chloroform-d	4.243	84	499456	46.811	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	93.620%		
26) 1,2-Dichloroethane-d4	4.934	65	298560	47.807	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	95.620%		
32) Benzene-d6	4.953	84	947597	47.032	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	94.060%		
36) 1,2-Dichloropropane-d6	5.982	67	305207	47.572	ug/L	0.00
Spiked Amount 50.000	Range 70 - 120		Recovery =	95.140%		
41) Toluene-d8	7.236	98	876921	47.999	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	96.000%		
43) trans-1,3-Dichloroprop...	7.548	79	147418	49.463	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	98.920%		
47) 2-Hexanone-d5	8.021	63	159335	117.613	ug/L	0.00
Spiked Amount 100.000	Range 45 - 130		Recovery =	117.610%		
56) 1,1,2,2-Tetrachloroeth...	10.146	84	391907	52.572	ug/L	0.00
Spiked Amount 50.000	Range 65 - 120		Recovery =	105.140%		
66) 1,2-Dichlorobenzene-d4	11.554	152	355942	49.059	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	98.120%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.108	85	272546	46.863	ug/L	99
3) Chloromethane	1.217	50	266761	47.246	ug/L	100
5) Vinyl chloride	1.282	62	285204	47.116	ug/L	99
6) Bromomethane	1.487	94	161658	48.123	ug/L	98
8) Chloroethane	1.548	64	172612	46.265	ug/L	100
9) Trichlorofluoromethane	1.712	101	379714	46.602	ug/L	100
10) 1,1,2-Trichloro-1,2,2-...	2.066	101	224689	46.147	ug/L	99
12) 1,1-Dichloroethene	2.069	96	214598	47.183	ug/L	83
13) Acetone	2.111	43	143519	68.539	ug/L	99
14) Carbon disulfide	2.240	76	643128	45.301	ug/L	99
15) Methyl Acetate	2.372	43	196204	53.692	ug/L	98
16) Methylene chloride	2.442	84	243531	47.290	ug/L	99
17) trans-1,2-Dichloroethene	2.690	96	224323	46.622	ug/L	98
18) Methyl tert-butyl Ether	2.703	73	695565	50.387	ug/L	100
19) 1,1-Dichloroethane	3.105	63	441923	47.937	ug/L	98
20) cis-1,2-Dichloroethene	3.806	96	272704	50.647	ug/L	98
22) 2-Butanone	3.873	43	216102	93.240	ug/L	98
23) Bromochloromethane	4.137	128	135288	48.574	ug/L	97
25) Chloroform	4.269	83	457997	47.984	ug/L	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.037	62	334169	49.594	ug/L	100
29) Cyclohexane	4.574	56	354990	48.559	ug/L	99
30) 1,1,1-Trichloroethane	4.503	97	383800	48.398	ug/L	100
31) Carbon tetrachloride	4.725	117	332308	48.199	ug/L	99
33) Benzene	5.002	78	964597	49.674	ug/L	100
34) Trichloroethene	5.828	95	251912	48.713	ug/L	99
35) Methylcyclohexane	6.043	83	388520	48.837	ug/L	98
37) 1,2-Dichloropropane	6.088	63	251671	50.190	ug/L	99
38) Bromodichloromethane	6.429	83	335640	50.072	ug/L	98
39) cis-1,3-Dichloropropene	6.950	75	404719	50.562	ug/L	98
40) 4-Methyl-2-pentanone	7.156	43	460025	112.675	ug/L	99
42) Toluene	7.310	91	1021074	50.721	ug/L	99
44) trans-1,3-Dichloropropene	7.577	75	359264	49.853	ug/L	97
45) 1,1,2-Trichloroethane	7.764	97	245811	51.053	ug/L	99
46) Tetrachloroethene	7.899	164	188621	47.705	ug/L	98
48) 2-Hexanone	8.072	43	341437	107.550	ug/L	97
49) Dibromochloromethane	8.172	129	258861	50.798	ug/L	97
50) 1,2-Dibromoethane	8.278	107	254644	51.163	ug/L	100
51) Chlorobenzene	8.809	112	667436	48.664	ug/L	100
52) Ethylbenzene	8.940	91	1123885	49.597	ug/L	99
53) m,p-Xylene	9.066	106	422525	50.101	ug/L	100
54) o-Xylene	9.471	106	415551	50.470	ug/L	100
55) Styrene	9.490	104	737680	51.466	ug/L	99
57) 1,1,2,2-Tetrachloroethane	10.172	83	353909	52.720	ug/L	98
59) Bromoform	9.657	173	173909	51.678	ug/L	98
60) Isopropylbenzene	9.860	105	1104914	49.359	ug/L	100
61) 1,2,3-Trichloropropane	10.204	75	256509	52.355	ug/L	98
62) 1,3,5-Trimethylbenzene	10.471	105	898763	50.784	ug/L	99
63) 1,2,4-Trimethylbenzene	10.844	105	900507	51.140	ug/L	99
64) 1,3-Dichlorobenzene	11.111	146	528688	49.068	ug/L	100
65) 1,4-Dichlorobenzene	11.201	146	544006	48.487	ug/L	99
67) 1,2-Dichlorobenzene	11.574	146	523280	49.128	ug/L	99
68) 1,2-Dibromo-3-chloropr...	12.358	75	63479	53.375	ug/L	99
69) 1,3,5-Trichlorobenzene	12.577	180	356804	48.155	ug/L	99
70) 1,2,4-trichlorobenzene	13.191	180	339624	49.403	ug/L	100
71) Naphthalene	13.432	128	1020928	56.842	ug/L	100
72) 1,2,3-Trichlorobenzene	13.673	180	343650	50.620	ug/L	99

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

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