

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU010924\
 Data File : VU057457.D
 Acq On : 09 Jan 2024 22:14
 Operator : MD/SY
 Sample : VSTDCCC050EC
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD050132

Quant Time: Jan 10 05:08:57 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM010824WMA.M
 Quant Title : VOC Analysis
 QLast Update : Wed Jan 10 00:35:16 2024
 Response via : Initial Calibration

Manual Integrations APPROVED

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

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

Internal Standards						
1) 1,4-Difluorobenzene	6.242	114	259058	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.415	117	311428	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.807	152	148689	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.599	65	59356	33.290	ug/L	0.00
Spiked Amount 50.000	Range 60 - 135		Recovery =	66.580%		
7) Chloroethane-d5	1.911	69	51466	37.300	ug/L	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery =	74.600%		
11) 1,1-Dichloroethene-d2	2.563	63	149327	39.513	ug/L	0.02
Spiked Amount 50.000	Range 60 - 125		Recovery =	79.020%		
21) 2-Butanone-d5	4.631	46	85287	98.715	ug/L	-0.02
Spiked Amount 100.000	Range 40 - 130		Recovery =	98.710%		
24) Chloroform-d	5.055	84	177904	42.193	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	84.380%		
26) 1,2-Dichloroethane-d4	5.692	65	121888	43.759	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	87.520%		
32) Benzene-d6	5.721	84	297136	35.544	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	71.080%		
36) 1,2-Dichloropropane-d6	6.682	67	84994	36.022	ug/L	0.00
Spiked Amount 50.000	Range 70 - 120		Recovery =	72.040%		
41) Toluene-d8	7.891	98	275856	35.213	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	70.420%#		
43) trans-1,3-Dichloroprop...	8.174	79	51571	36.619	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	73.240%		
47) 2-Hexanone-d5	8.637	63	65795	85.301	ug/L	-0.04
Spiked Amount 100.000	Range 45 - 130		Recovery =	85.300%		
56) 1,1,2,2-Tetrachloroeth...	10.753	84	134090	38.029	ug/L	-0.01
Spiked Amount 50.000	Range 65 - 120		Recovery =	76.060%		
66) 1,2-Dichlorobenzene-d4	12.190	152	112848	38.804	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	77.600%#		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.383	85	135845	45.965	ug/L	99
3) Chloromethane	1.518	50	86250	46.509	ug/L	98
5) Vinyl chloride	1.605	62	95173	47.939	ug/L	98
6) Bromomethane	1.856	94	59154	45.017	ug/L	99
8) Chloroethane	1.933	64	54927	47.299	ug/L	97
9) Trichlorofluoromethane	2.129	101	198180	47.842	ug/L	98
10) 1,1,2-Trichloro-1,2,2-...	2.573	101	92772	46.634	ug/L	97
12) 1,1-Dichloroethene	2.573	96	85765	48.860	ug/L	92
13) Acetone	2.641	43	189967	180.556	ug/L	95
14) Carbon disulfide	2.785	76	254064	46.730	ug/L	99
15) Methyl Acetate	2.946	43	72319m	52.690	ug/L	
16) Methylene chloride	3.039	84	93943	47.071	ug/L	99
17) trans-1,2-Dichloroethene	3.345	96	86474	48.154	ug/L	100
18) Methyl tert-butyl Ether	3.354	73	303292	52.764	ug/L	99
19) 1,1-Dichloroethane	3.859	63	173824	52.285	ug/L	99
20) cis-1,2-Dichloroethene	4.657	96	97742	50.882	ug/L	92
22) 2-Butanone	4.708	43	119149	114.932	ug/L	99
23) Bromochloromethane	4.965	128	53995	48.967	ug/L	98
25) Chloroform	5.081	83	198889	49.294	ug/L	99

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27) 1,2-Dichloroethane	5.785	62	166594	49.018	ug/L	100
29) Cyclohexane	5.380	56	122070	41.430	ug/L	100
30) 1,1,1-Trichloroethane	5.306	97	192413	40.157	ug/L	100
31) Carbon tetrachloride	5.518	117	170532	40.127	ug/L	99
33) Benzene	5.766	78	362346	41.402	ug/L	100
34) Trichloroethene	6.534	95	101572	39.751	ug/L	96
35) Methylcyclohexane	6.756	83	140681	40.467	ug/L	100
37) 1,2-Dichloropropane	6.782	63	90063	41.701	ug/L	99
38) Bromodichloromethane	7.100	83	148819	40.676	ug/L	99
39) cis-1,3-Dichloropropene	7.602	75	153416	40.566	ug/L	99
40) 4-Methyl-2-pentanone	7.795	43	196757	89.412	ug/L	99
42) Toluene	7.962	91	393346	41.796	ug/L	99
44) trans-1,3-Dichloropropene	8.206	75	156878	41.318	ug/L	95
45) 1,1,2-Trichloroethane	8.393	97	98333	41.380	ug/L	97
46) Tetrachloroethene	8.547	164	76716	39.690	ug/L	96
48) 2-Hexanone	8.689	43	149856	84.644	ug/L	98
49) Dibromochloromethane	8.804	129	114867	39.664	ug/L	99
50) 1,2-Dibromoethane	8.917	107	105431	41.826	ug/L	99
51) Chlorobenzene	9.441	112	318990	50.445	ug/L	99
52) Ethylbenzene	9.566	91	673116	64.230	ug/L	100
53) m,p-Xylene	9.688	106	242552	61.915	ug/L	100
54) o-Xylene	10.097	106	162278	42.417	ug/L	98
55) Styrene	10.110	104	283196	43.713	ug/L	100
57) 1,1,2,2-Tetrachloroethane	10.778	83	147694	41.218	ug/L	98
59) Bromoform	10.290	173	92641	42.970	ug/L	98
60) 1,2,3-Trichloropropane	10.820	75	125125	44.427	ug/L	99
61) Isopropylbenzene	10.479	105	445016	45.701	ug/L	100
62) 1,3,5-Trimethylbenzene	11.084	105	381341	45.792	ug/L	99
63) 1,2,4-Trimethylbenzene	11.463	105	547664	66.993	ug/L	100
64) 1,3-Dichlorobenzene	11.740	146	260203	56.701	ug/L	98
65) 1,4-Dichlorobenzene	11.833	146	233721	49.615	ug/L	100
67) 1,2-Dichlorobenzene	12.206	146	197368	42.670	ug/L	98
68) 1,2-Dibromo-3-chloropr...	12.991	75	31368	41.711	ug/L	94
69) 1,3,5-Trichlorobenzene	13.212	180	134952	41.082	ug/L	99
70) 1,2,4-trichlorobenzene	13.836	180	103235	41.278	ug/L	98
71) Naphthalene	14.081	128	243744	41.710	ug/L	99
72) 1,2,3-Trichlorobenzene	14.325	180	100337	42.423	ug/L	99

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

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