

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU010924\
 Data File : VU057431.D
 Acq On : 09 Jan 2024 11:19
 Operator : MD/SY
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD050131

Quant Time: Jan 10 00:27:57 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM010824WMA.M
 Quant Title : VOC Analysis
 QLast Update : Tue Jan 09 06:09:25 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	6.241	114	289327	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.421	117	283359	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.814	152	132249	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.599	65	74778	37.552	ug/L	0.00
Spiked Amount 50.000	Range 60	- 135	Recovery =	75.100%		
7) Chloroethane-d5	1.917	69	61312	39.787	ug/L	0.00
Spiked Amount 50.000	Range 70	- 130	Recovery =	79.580%		
11) 1,1-Dichloroethene-d2	2.547	63	173876	41.195	ug/L	-0.01
Spiked Amount 50.000	Range 60	- 125	Recovery =	82.400%		
21) 2-Butanone-d5	4.647	46	97665m	101.215	ug/L	0.02
Spiked Amount 100.000	Range 40	- 130	Recovery =	101.220%		
24) Chloroform-d	5.055	84	210505	44.702	ug/L	0.00
Spiked Amount 50.000	Range 70	- 125	Recovery =	89.400%		
26) 1,2-Dichloroethane-d4	5.695	65	142586	45.835	ug/L	0.00
Spiked Amount 50.000	Range 70	- 125	Recovery =	91.660%		
32) Benzene-d6	5.717	84	350675	46.103	ug/L	0.00
Spiked Amount 50.000	Range 70	- 125	Recovery =	92.200%		
36) 1,2-Dichloropropane-d6	6.682	67	101659	47.353	ug/L	0.00
Spiked Amount 50.000	Range 70	- 120	Recovery =	94.700%		
41) Toluene-d8	7.891	98	337902	47.405	ug/L	0.00
Spiked Amount 50.000	Range 80	- 120	Recovery =	94.820%		
43) trans-1,3-Dichloroprop...	8.180	79	63265	49.372	ug/L	0.00
Spiked Amount 50.000	Range 60	- 125	Recovery =	98.740%		
47) 2-Hexanone-d5	8.679	63	76410	108.876	ug/L	0.04
Spiked Amount 100.000	Range 45	- 130	Recovery =	108.880%		
56) 1,1,2,2-Tetrachloroeth...	10.765	84	144313	44.982	ug/L	0.01
Spiked Amount 50.000	Range 65	- 120	Recovery =	89.960%		
66) 1,2-Dichlorobenzene-d4	12.193	152	119911	46.358	ug/L	0.00
Spiked Amount 50.000	Range 80	- 120	Recovery =	92.720%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.383	85	147079	44.560	ug/L	100
3) Chloromethane	1.518	50	94912	45.825	ug/L	99
5) Vinyl chloride	1.605	62	102509	46.232	ug/L	100
6) Bromomethane	1.859	94	61159	41.674	ug/L	97
8) Chloroethane	1.936	64	57006	43.954	ug/L	94
9) Trichlorofluoromethane	2.129	101	207961	44.951	ug/L	98
10) 1,1,2-Trichloro-1,2,2-...	2.557	101	102000	45.909	ug/L	99
12) 1,1-Dichloroethene	2.560	96	88013	44.895	ug/L	91
13) Acetone	2.650	43	106987	91.048	ug/L	95
14) Carbon disulfide	2.775	76	272228	44.833	ug/L	98
15) Methyl Acetate	2.949	43	74875	48.845	ug/L	99
16) Methylene chloride	3.036	84	105998	47.554	ug/L	98
17) trans-1,2-Dichloroethene	3.338	96	94268	47.003	ug/L	95
18) Methyl tert-butyl Ether	3.357	73	344496	53.663	ug/L	99
19) 1,1-Dichloroethane	3.853	63	174574	47.017	ug/L	98
20) cis-1,2-Dichloroethene	4.653	96	105931	49.376	ug/L	94
22) 2-Butanone	4.721	43	123089m	106.311	ug/L	
23) Bromochloromethane	4.968	128	58510	47.510	ug/L	97
25) Chloroform	5.081	83	214068	47.506	ug/L	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.788	62	179947	47.407	ug/L	98
29) Cyclohexane	5.377	56	135840	50.670	ug/L	98
30) 1,1,1-Trichloroethane	5.303	97	203240	46.618	ug/L	99
31) Carbon tetrachloride	5.512	117	179579	46.442	ug/L	100
33) Benzene	5.762	78	395112	49.617	ug/L	100
34) Trichloroethene	6.534	95	110915	47.707	ug/L	98
35) Methylcyclohexane	6.753	83	162766	51.458	ug/L	98
37) 1,2-Dichloropropane	6.782	63	93516	47.589	ug/L	99
38) Bromodichloromethane	7.100	83	163311	49.059	ug/L	98
39) cis-1,3-Dichloropropene	7.602	75	180218	52.374	ug/L	98
40) 4-Methyl-2-pentanone	7.852	43	209921	104.843	ug/L #	33
42) Toluene	7.965	91	435654	50.877	ug/L	100
44) trans-1,3-Dichloropropene	8.206	75	180441	52.232	ug/L	100
45) 1,1,2-Trichloroethane	8.399	97	109015m	50.419	ug/L	
46) Tetrachloroethene	8.547	164	86739	49.321	ug/L	98
48) 2-Hexanone	8.727	43	153977	95.587	ug/L	93
49) Dibromochloromethane	8.839	129	126975m	48.188	ug/L	
50) 1,2-Dibromoethane	8.923	107	119261	51.999	ug/L	100
51) Chlorobenzene	9.450	112	287295	49.933	ug/L	99
52) Ethylbenzene	9.569	91	494798	51.892	ug/L	99
53) m,p-Xylene	9.695	106	186982	52.458	ug/L	99
54) o-Xylene	10.103	106	179728	51.632	ug/L	99
55) Styrene	10.122	104	303550	51.496	ug/L	99
57) 1,1,2,2-Tetrachloroethane	10.791	83	153139	46.971	ug/L	97
59) Bromoform	10.306	173	96780	50.470	ug/L	99
60) 1,2,3-Trichloropropane	10.830	75	128925	51.467	ug/L	99
61) Isopropylbenzene	10.486	105	487145	56.247	ug/L	99
62) 1,3,5-Trimethylbenzene	11.087	105	428899	57.906	ug/L	99
63) 1,2,4-Trimethylbenzene	11.466	105	424579	58.393	ug/L	98
64) 1,3-Dichlorobenzene	11.746	146	216658	53.081	ug/L	99
65) 1,4-Dichlorobenzene	11.836	146	214768	51.259	ug/L	99
67) 1,2-Dichlorobenzene	12.212	146	211276	51.355	ug/L	99
68) 1,2-Dibromo-3-chloropr...	12.994	75	33516	50.108	ug/L	94
69) 1,3,5-Trichlorobenzene	13.215	180	154819	52.989	ug/L	99
70) 1,2,4-trichlorobenzene	13.836	180	128843	57.921	ug/L	99
71) Naphthalene	14.080	128	309647	59.575	ug/L	99
72) 1,2,3-Trichlorobenzene	14.325	180	124021	58.955	ug/L	97

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

