

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU021924\
 Data File : VU057880.D
 Acq On : 19 Feb 2024 12:34
 Operator : MD/SY
 Sample : VSTDCCC050EC
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD050145

Quant Time: Feb 20 01:03:34 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM020724WMA.M
 Quant Title : VOC Analysis
 QLast Update : Tue Feb 20 01:02:56 2024
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Mahesh
 Dadoda

02/21/2024
 Supervised By :Semsettin
 Yesilyurt

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

Internal Standards						
1) 1,4-Difluorobenzene	6.242	114	202600	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.412	117	207409	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.807	152	116843	50.000	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.595	65	87887	54.197	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	108.400%
7) Chloroethane-d5	1.895	69	67712	53.824	ug/L	0.02
Spiked Amount	50.000	Range	70 - 130	Recovery	=	107.640%
11) 1,1-Dichloroethene-d2	2.560	63	147712	49.596	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	99.200%
21) 2-Butanone-d5	4.611	46	88486	98.322	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	98.320%
24) Chloroform-d	5.052	84	160541	55.809	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	111.620%
26) 1,2-Dichloroethane-d4	5.692	65	104840	57.492	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	114.980%
32) Benzene-d6	5.718	84	320486	51.148	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	102.300%
36) 1,2-Dichloropropane-d6	6.682	67	103328	52.220	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	104.440%
41) Toluene-d8	7.891	98	290388	51.120	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	102.240%
43) trans-1,3-Dichloroprop...	8.174	79	51133	52.825	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	105.660%
47) 2-Hexanone-d5	8.627	63	75843	93.903	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	93.900%
56) 1,1,2,2-Tetrachloroeth...	10.749	84	137196	53.263	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	106.520%
66) 1,2-Dichlorobenzene-d4	12.187	152	107710	47.982	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	95.960%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.380	85	62179	34.713	ug/L	99
3) Chloromethane	1.515	50	61850	36.921	ug/L	99
5) Vinyl chloride	1.602	62	66385	37.508	ug/L	97
6) Bromomethane	1.833	94	42901	39.402	ug/L	98
8) Chloroethane	1.917	64	48349	45.760	ug/L	100
9) Trichlorofluoromethane	2.129	101	109703	44.329	ug/L	98
10) 1,1,2-Trichloro-1,2,2-...	2.573	101	73850	50.559	ug/L	99
12) 1,1-Dichloroethene	2.570	96	56665m	42.477	ug/L	
13) Acetone	2.612	43	107270	92.782	ug/L	100
14) Carbon disulfide	2.785	76	84812	20.588	ug/L	97
15) Methyl Acetate	2.933	43	91425	62.157	ug/L	97
16) Methylene chloride	3.033	84	86726	56.269	ug/L	92
17) trans-1,2-Dichloroethene	3.341	96	60543	44.537	ug/L	97
18) Methyl tert-butyl Ether	3.348	73	316626	66.351	ug/L	99
19) 1,1-Dichloroethane	3.856	63	167123	61.260	ug/L	99
20) cis-1,2-Dichloroethene	4.656	96	89370	56.956	ug/L	97
22) 2-Butanone	4.685	43	138929	112.759	ug/L	98
23) Bromochloromethane	4.965	128	44944	58.425	ug/L	98
25) Chloroform	5.078	83	178038	63.726	ug/L	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.785	62	143828	62.167	ug/L	100
29) Cyclohexane	5.380	56	95418	35.355	ug/L	96
30) 1,1,1-Trichloroethane	5.306	97	134250	50.183	ug/L	100
31) Carbon tetrachloride	5.515	117	108464	46.566	ug/L	99
33) Benzene	5.766	78	332829	50.692	ug/L	100
34) Trichloroethene	6.534	95	84500	47.862	ug/L	97
35) Methylcyclohexane	6.756	83	102835	36.409	ug/L	98
37) 1,2-Dichloropropane	6.782	63	109005	60.555	ug/L	99
38) Bromodichloromethane	7.097	83	140375	61.936	ug/L	97
39) cis-1,3-Dichloropropene	7.598	75	171881	58.909	ug/L	100
40) 4-Methyl-2-pentanone	7.782	43	291352	130.024	ug/L	99
42) Toluene	7.962	91	356127	51.789	ug/L	98
44) trans-1,3-Dichloropropene	8.203	75	163301	60.963	ug/L	99
45) 1,1,2-Trichloroethane	8.393	97	104802	63.051	ug/L	98
46) Tetrachloroethene	8.547	164	57005	46.551	ug/L	96
48) 2-Hexanone	8.676	43	223767	114.793	ug/L	98
49) Dibromochloromethane	8.801	129	107578	64.171	ug/L	98
50) 1,2-Dibromoethane	8.917	107	102715	57.837	ug/L	97
51) Chlorobenzene	9.441	112	252490	57.814	ug/L	97
52) Ethylbenzene	9.563	91	431572	55.326	ug/L	99
53) m,p-Xylene	9.688	106	158679	55.351	ug/L	93
54) o-Xylene	10.094	106	162992	58.389	ug/L	97
55) Styrene	10.110	104	288850	61.987	ug/L	100
57) 1,1,2,2-Tetrachloroethane	10.775	83	181164	67.631	ug/L	99
59) Bromoform	10.283	173	79250	58.388	ug/L #	98
60) 1,2,3-Trichloropropane	10.817	75	139927	57.210	ug/L	98
61) Isopropylbenzene	10.479	105	445336	52.173	ug/L	100
62) 1,3,5-Trimethylbenzene	11.081	105	385106	53.763	ug/L	100
63) 1,2,4-Trimethylbenzene	11.460	105	390994	54.538	ug/L	98
64) 1,3-Dichlorobenzene	11.740	146	207576	56.126	ug/L	96
65) 1,4-Dichlorobenzene	11.830	146	210572	55.509	ug/L	100
67) 1,2-Dichlorobenzene	12.206	146	208806	56.005	ug/L	98
68) 1,2-Dibromo-3-chloropr...	12.991	75	32483	52.361	ug/L	89
69) 1,3,5-Trichlorobenzene	13.216	180	140153	53.805	ug/L	99
70) 1,2,4-trichlorobenzene	13.836	180	117323	52.726	ug/L	99
71) Naphthalene	14.081	128	285361	47.839	ug/L	100
72) 1,2,3-Trichlorobenzene	14.325	180	103531	49.725	ug/L	99

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

