

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU122823\
 Data File : VU057356.D
 Acq On : 29 Dec 2023 01:15
 Operator : MD/SY
 Sample : VSTDCCC005EC
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD005116

Quant Time: Dec 29 01:38:08 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR122723WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Thu Dec 28 21:37:03 2023
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :John
 Carlone

12/29/2023
 Supervised By :Mahesh
 Dadoda

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

Internal Standards						
1) 1,4-Difluorobenzene	6.245	114	241662	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.412	117	242492	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.807	152	115590	5.000	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.596	65	99724	4.800	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	96.000%
7) Chloroethane-d5	1.911	69	87326	5.233	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	104.600%
11) 1,1-Dichloroethene-d2	2.560	65	40308	4.875	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	97.400%
20) 2-Butanone-d5	4.660	46	181548	38.583	ug/L	0.03
Spiked Amount	50.000	Range	40 - 130	Recovery	=	77.160%
24) Chloroform-d	5.055	84	188587	5.105	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	102.000%
26) 1,2-Dichloroethane-d4	5.695	65	88086	4.666	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	93.400%
32) Benzene-d6	5.721	84	346379	5.011	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	100.200%
36) 1,2-Dichloropropane-d6	6.685	67	109573	5.059	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	101.200%
41) Toluene-d8	7.894	98	305337	5.120	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	102.400%
43) trans-1,3-Dichloroprop...	8.177	79	38954	4.482	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	89.600%
46) 2-Hexanone-d5	8.631	63	151219	38.416	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	76.840%
56) 1,1,2,2-Tetrachloroeth...	10.750	84	83198	4.574	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	91.400%
66) 1,2-Dichlorobenzene-d4	12.187	152	99658	4.735	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	94.600%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.383	85	90783	5.176	ug/L	99
3) Chloromethane	1.518	50	108853	5.596	ug/L	98
5) Vinyl chloride	1.602	62	109945	5.450	ug/L	99
6) Bromomethane	1.853	94	52086	5.475	ug/L	96
8) Chloroethane	1.930	64	70186	5.367	ug/L	99
9) Trichlorofluoromethane	2.133	101	159071	5.473	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.576	101	92671	5.272	ug/L	98
12) 1,1-Dichloroethene	2.573	96	85440	5.410	ug/L	95
13) Acetone	2.679	43	96675m	31.523	ug/L	
14) Carbon disulfide	2.788	76	225999	5.018	ug/L	99
15) Methyl Acetate	2.965	43	40909m	5.858	ug/L	
16) Methylene chloride	3.039	84	100557	4.933	ug/L	99
17) Methyl tert-butyl Ether	3.358	73	191048	4.792	ug/L	99
18) trans-1,2-Dichloroethene	3.348	96	85884	5.479	ug/L	95
19) 1,1-Dichloroethane	3.862	63	175991	5.343	ug/L	97
21) 2-Butanone	4.734	43	155189	35.431	ug/L	94
22) cis-1,2-Dichloroethene	4.660	96	89177	4.922	ug/L	95
23) Bromochloromethane	4.968	128	39284	4.850	ug/L	95
25) Chloroform	5.081	83	180122	5.184	ug/L	99

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27) 1,2-Dichloroethane	5.788	62	100806	4.630	ug/L	99
29) 1,1,1-Trichloroethane	5.309	97	159666	5.199	ug/L	99
30) Cyclohexane	5.380	56	116633	5.091	ug/L	98
31) Carbon tetrachloride	5.518	117	130921	5.081	ug/L	97
33) Benzene	5.769	78	362887	5.195	ug/L	100
34) Trichloroethene	6.534	95	94914	5.099	ug/L	96
35) Methylcyclohexane	6.756	83	121492	4.997	ug/L	99
37) 1,2-Dichloropropane	6.785	63	100184	5.154	ug/L	99
38) Bromodichloromethane	7.100	83	127417	5.082	ug/L	98
39) cis-1,3-Dichloropropene	7.602	75	124560	4.687	ug/L	99
40) 4-Methyl-2-pentanone	7.788	43	460107	46.461	ug/L	97
42) Toluene	7.965	91	381523	5.073	ug/L	98
44) trans-1,3-Dichloropropene	8.206	75	104583	4.513	ug/L	100
45) 1,1,2-Trichloroethane	8.396	97	68489	4.838	ug/L	97
47) Tetrachloroethene	8.550	164	65137	4.952	ug/L	97
48) 2-Hexanone	8.682	43	326808	44.760	ug/L	99
49) Dibromochloromethane	8.804	129	76007	4.715	ug/L	99
50) 1,2-Dibromoethane	8.920	107	60230	4.740	ug/L	99
51) Chlorobenzene	9.441	112	232624	5.088	ug/L	99
52) Ethylbenzene	9.566	91	384617	5.124	ug/L	100
53) m,p-Xylene	9.689	106	145808	5.102	ug/L	98
54) o-Xylene	10.094	106	138886	5.111	ug/L	97
55) Styrene	10.110	104	244598	5.347	ug/L	97
57) 1,1,2,2-Tetrachloroethane	10.775	83	80071	4.572	ug/L	98
59) Bromoform	10.287	173	42905	4.740	ug/L	97
60) Isopropylbenzene	10.479	105	376269	5.308	ug/L	100
61) 1,2,3-Trichloropropane	10.817	75	54579	4.522	ug/L	98
62) 1,3,5-Trimethylbenzene	11.084	105	282306	5.089	ug/L	98
63) 1,2,4-Trimethylbenzene	11.463	105	287589	5.214	ug/L	99
64) 1,3-Dichlorobenzene	11.740	146	177825	5.220	ug/L	99
65) 1,4-Dichlorobenzene	11.830	146	172123	4.964	ug/L	98
67) 1,2-Dichlorobenzene	12.206	146	158734	4.848	ug/L	100
68) 1,2-Dibromo-3-chloropr...	12.991	75	11714	4.414	ug/L	95
69) 1,3,5-Trichlorobenzene	13.213	180	114826	4.708	ug/L	99
70) 1,2,4-trichlorobenzene	13.836	180	86011	4.444	ug/L	97
71) Naphthalene	14.081	128	115960	3.833	ug/L	98
72) 1,2,3-Trichlorobenzene	14.325	180	74734	4.430	ug/L	98

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

