

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU122923\
 Data File : VU057374.D
 Acq On : 29 Dec 2023 16:21
 Operator : MD/SY
 Sample : VSTDCCC005EC
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD005118

Quant Time: Dec 29 23:07:25 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR122723WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Fri Dec 29 23:01:57 2023
 Response via : Initial Calibration

Manual Integrations APPROVED

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

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

Internal Standards						
1) 1,4-Difluorobenzene	6.245	114	151303	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.412	117	148577	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.807	152	79320	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.595	65	30733	2.363	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	47.200%
7) Chloroethane-d5	1.911	69	28774	2.754	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	55.000%#
11) 1,1-Dichloroethene-d2	2.560	65	17096	3.302	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	66.000%
20) 2-Butanone-d5	4.640	46	96660	32.810	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	65.620%
24) Chloroform-d	5.058	84	103947	4.494	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	89.800%
26) 1,2-Dichloroethane-d4	5.698	65	57157	4.835	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	96.800%
32) Benzene-d6	5.721	84	163094	3.851	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	77.000%
36) 1,2-Dichloropropane-d6	6.682	67	46408	3.497	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	70.000%
41) Toluene-d8	7.891	98	154975	4.242	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	84.800%
43) trans-1,3-Dichloroprop...	8.174	79	22996	4.318	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	86.400%
46) 2-Hexanone-d5	8.630	63	76601	31.760	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	63.520%
56) 1,1,2,2-Tetrachloroeth...	10.749	84	41075	3.685	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	73.800%
66) 1,2-Dichlorobenzene-d4	12.187	152	61045	4.226	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	84.600%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.383	85	53971	4.914	ug/L	99
3) Chloromethane	1.518	50	33125	2.720	ug/L	96
5) Vinyl chloride	1.602	62	39820	3.153	ug/L	99
6) Bromomethane	1.856	94	26688	4.481	ug/L	95
8) Chloroethane	1.933	64	26198	3.200	ug/L	96
9) Trichlorofluoromethane	2.136	101	97455	5.356	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.576	101	48044	4.366	ug/L	88
12) 1,1-Dichloroethene	2.576	96	41096	4.156	ug/L	87
13) Acetone	2.660	43	60920m	31.728	ug/L	
14) Carbon disulfide	2.788	76	102705	3.642	ug/L	98
15) Methyl Acetate	2.959	43	14099m	3.225	ug/L	
16) Methylene chloride	3.039	84	53560	4.197	ug/L	88
17) Methyl tert-butyl Ether	3.354	73	108980	4.366	ug/L	96
18) trans-1,2-Dichloroethene	3.348	96	43590	4.442	ug/L	90
19) 1,1-Dichloroethane	3.862	63	83223	4.036	ug/L	94
21) 2-Butanone	4.721	43	89159m	32.512	ug/L	
22) cis-1,2-Dichloroethene	4.663	96	49769	4.388	ug/L	95
23) Bromochloromethane	4.968	128	23340	4.603	ug/L #	75
25) Chloroform	5.081	83	104680	4.812	ug/L	97

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.785	62	63760	4.678	ug/L	96
29) 1,1,1-Trichloroethane	5.309	97	106226	5.645	ug/L	95
30) Cyclohexane	5.380	56	53236	3.793	ug/L	89
31) Carbon tetrachloride	5.518	117	91435	5.792	ug/L	100
33) Benzene	5.769	78	182556	4.266	ug/L	100
34) Trichloroethene	6.537	95	52297	4.585	ug/L	98
35) Methylcyclohexane	6.759	83	65651	4.407	ug/L	91
37) 1,2-Dichloropropane	6.785	63	43649	3.665	ug/L #	96
38) Bromodichloromethane	7.100	83	72557	4.723	ug/L	92
39) cis-1,3-Dichloropropene	7.602	75	67634	4.154	ug/L	95
40) 4-Methyl-2-pentanone	7.788	43	200402	33.028	ug/L #	96
42) Toluene	7.962	91	204166	4.430	ug/L	97
44) trans-1,3-Dichloropropene	8.206	75	61872	4.358	ug/L	100
45) 1,1,2-Trichloroethane	8.396	97	35989	4.149	ug/L	93
47) Tetrachloroethene	8.547	164	41655	5.168	ug/L	93
48) 2-Hexanone	8.682	43	153107	34.224	ug/L #	96
49) Dibromochloromethane	8.804	129	48159	4.875	ug/L	99
50) 1,2-Dibromoethane	8.920	107	32876	4.223	ug/L #	98
51) Chlorobenzene	9.441	112	133528	4.767	ug/L	97
52) Ethylbenzene	9.566	91	220726	4.799	ug/L	98
53) m,p-Xylene	9.688	106	84408	4.820	ug/L	97
54) o-Xylene	10.097	106	79681	4.786	ug/L	98
55) Styrene	10.110	104	138766	4.951	ug/L	97
57) 1,1,2,2-Tetrachloroethane	10.778	83	39813	3.710	ug/L #	97
59) Bromoform	10.283	173	28659	4.613	ug/L #	98
60) Isopropylbenzene	10.479	105	227262	4.672	ug/L	99
61) 1,2,3-Trichloropropane	10.817	75	29720	3.588	ug/L	95
62) 1,3,5-Trimethylbenzene	11.084	105	183600	4.823	ug/L	98
63) 1,2,4-Trimethylbenzene	11.463	105	182832	4.831	ug/L	99
64) 1,3-Dichlorobenzene	11.740	146	111486	4.769	ug/L	99
65) 1,4-Dichlorobenzene	11.833	146	108717	4.569	ug/L	97
67) 1,2-Dichlorobenzene	12.206	146	100762	4.484	ug/L	99
68) 1,2-Dibromo-3-chloropr...	12.990	75	7638	4.194	ug/L	94
69) 1,3,5-Trichlorobenzene	13.216	180	81178	4.850	ug/L	99
70) 1,2,4-trichlorobenzene	13.836	180	62085	4.674	ug/L	100
71) Naphthalene	14.084	128	79985	3.853	ug/L	98
72) 1,2,3-Trichlorobenzene	14.325	180	51671	4.463	ug/L	96

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

