

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU122923\
 Data File : VU057372.D
 Acq On : 29 Dec 2023 15:33
 Operator : MD/SY
 Sample : 04696-02
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 MDL-WATER-QT4-2023-08

Quant Time: Dec 29 23:36:28 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

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

Internal Standards						
1) 1,4-Difluorobenzene	6.241	114	139199	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.412	117	137494	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.807	152	61248	5.000	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.595	65	30390	2.540	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	50.800%
7) Chloroethane-d5	1.910	69	33491	3.484	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	69.600%
11) 1,1-Dichloroethene-d2	2.560	65	16638	3.493	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	69.800%
20) 2-Butanone-d5	4.643	46	91202	33.650	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	67.300%
24) Chloroform-d	5.055	84	99396	4.671	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	93.400%
26) 1,2-Dichloroethane-d4	5.695	65	55938	5.144	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	102.800%
32) Benzene-d6	5.721	84	158449	4.043	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	80.800%
36) 1,2-Dichloropropane-d6	6.685	67	45647	3.717	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	74.400%
41) Toluene-d8	7.891	98	137515	4.067	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	81.400%
43) trans-1,3-Dichloroprop...	8.177	79	20162	4.091	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	81.800%
46) 2-Hexanone-d5	8.630	63	68389	30.641	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	61.280%
56) 1,1,2,2-Tetrachloroeth...	10.749	84	37892	3.674	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	73.400%
66) 1,2-Dichlorobenzene-d4	12.187	152	53237	4.773	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	95.400%

Target Compounds	Qvalue					
2) Dichlorodifluoromethane	1.383	85	2018	0.200	ug/L #	84
3) Chloromethane	1.518	50	1912	0.171	ug/L #	75
5) Vinyl chloride	1.602	62	1830	0.157	ug/L #	47
6) Bromomethane	1.853	94	1372	0.250	ug/L	100
8) Chloroethane	1.930	64	1290	0.171	ug/L	96
9) Trichlorofluoromethane	2.136	101	4484	0.268	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.579	101	2313	0.228	ug/L #	85
12) 1,1-Dichloroethene	2.566	96	2256	0.248	ug/L #	1
14) Carbon disulfide	2.788	76	4422	0.170	ug/L	97
17) Methyl tert-butyl Ether	3.361	73	4294	0.187	ug/L #	88
18) trans-1,2-Dichloroethene	3.357	96	1825	0.202	ug/L	87
19) 1,1-Dichloroethane	3.869	63	3615	0.191	ug/L #	88
21) 2-Butanone	4.717	43	3876m	1.536	ug/L	
22) cis-1,2-Dichloroethene	4.656	96	2386	0.229	ug/L #	66
23) Bromochloromethane	4.968	128	1111	0.238	ug/L #	63
27) 1,2-Dichloroethane	5.798	62	3238	0.258	ug/L #	76
29) 1,1,1-Trichloroethane	5.309	97	4990	0.287	ug/L	87
31) Carbon tetrachloride	5.518	117	3860	0.264	ug/L	95
33) Benzene	5.769	78	7701	0.194	ug/L	100

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34) Trichloroethene	6.537	95	4907	0.465	ug/L	90
37) 1,2-Dichloropropane	6.795	63	1944	0.176	ug/L #	92
38) Bromodichloromethane	7.100	83	3130	0.220	ug/L	91
39) cis-1,3-Dichloropropene	7.608	75	3058m	0.203	ug/L	
42) Toluene	7.968	91	8530	0.200	ug/L	87
44) trans-1,3-Dichloropropene	8.212	75	2860	0.218	ug/L	92
45) 1,1,2-Trichloroethane	8.396	97	1560	0.194	ug/L #	52
47) Tetrachloroethene	8.547	164	1771	0.237	ug/L	81
48) 2-Hexanone	8.685	43	11506	2.779	ug/L #	92
49) Dibromochloromethane	8.807	129	2136	0.234	ug/L	98
50) 1,2-Dibromoethane	8.920	107	1443	0.200	ug/L #	86
51) Chlorobenzene	9.444	112	6268	0.242	ug/L	99
52) Ethylbenzene	9.569	91	9340	0.219	ug/L	97
53) m,p-Xylene	9.691	106	2692	0.166	ug/L	78
54) o-Xylene	10.100	106	2531	0.164	ug/L	85
55) Styrene	10.119	104	4656m	0.179	ug/L	
57) 1,1,2,2-Tetrachloroethane	10.781	83	1936	0.195	ug/L #	89
59) Bromoform	10.286	173	1106	0.231	ug/L #	93
60) Isopropylbenzene	10.479	105	7494	0.200	ug/L #	94
61) 1,2,3-Trichloropropane	10.823	75	1144	0.179	ug/L #	82
62) 1,3,5-Trimethylbenzene	11.087	105	6336	0.216	ug/L	89
63) 1,2,4-Trimethylbenzene	11.470	105	6334	0.217	ug/L	93
64) 1,3-Dichlorobenzene	11.746	146	4679	0.259	ug/L	94
65) 1,4-Dichlorobenzene	11.833	146	4857	0.264	ug/L	97
67) 1,2-Dichlorobenzene	12.209	146	3972	0.229	ug/L #	85
68) 1,2-Dibromo-3-chloropr...	12.987	75	363m	0.258	ug/L	
69) 1,3,5-Trichlorobenzene	13.219	180	3926	0.304	ug/L	99
70) 1,2,4-trichlorobenzene	13.842	180	3350	0.327	ug/L	96
72) 1,2,3-Trichlorobenzene	14.328	180	3378	0.378	ug/L	91

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

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