

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU121623\
 Data File : VU056920.D
 Acq On : 16 Dec 2023 12:26
 Operator : MD/SY
 Sample : 04696-01
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 MDL-WATER-QT4-2023-07

Quant Time: Dec 16 23:45:59 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR121123WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Fri Dec 15 01:53:53 2023
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 12/18/2023
 Supervised By :Semsettin Yesilyurt 12/18/2023

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

Internal Standards						
1) 1,4-Difluorobenzene	6.245	114	197748	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.415	117	207675	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.807	152	88092	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.596	65	79674	4.700	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	94.000%
7) Chloroethane-d5	1.908	69	65656	5.176	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	103.600%
11) 1,1-Dichloroethene-d2	2.560	65	35118	4.842	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	96.800%
20) 2-Butanone-d5	4.621	46	194557	58.121	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	116.240%
24) Chloroform-d	5.055	84	171945	5.357	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	107.200%
26) 1,2-Dichloroethane-d4	5.695	65	84207	5.544	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	110.800%
32) Benzene-d6	5.721	84	319580	4.961	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	99.200%
36) 1,2-Dichloropropane-d6	6.685	67	104702	5.193	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	103.800%
41) Toluene-d8	7.894	98	258917	4.497	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	90.000%
43) trans-1,3-Dichloroprop...	8.174	79	37311	4.772	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	95.400%
46) 2-Hexanone-d5	8.627	63	145617	49.380	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	98.760%
56) 1,1,2,2-Tetrachloroeth...	10.750	84	77012	5.279	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	105.600%
66) 1,2-Dichlorobenzene-d4	12.190	152	93051	5.373	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	107.400%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.380	85	5476	0.264	ug/L	96
3) Chloromethane	1.515	50	9263	0.455	ug/L	91
5) Vinyl chloride	1.599	62	5893	0.291	ug/L #	65
6) Bromomethane	1.853	94	3553	0.298	ug/L	76
8) Chloroethane	1.930	64	4214	0.356	ug/L	95
9) Trichlorofluoromethane	2.133	101	7961	0.279	ug/L	100
10) 1,1,2-Trichloro-1,2,2-...	2.576	101	6136	0.351	ug/L	86
12) 1,1-Dichloroethene	2.573	96	5134	0.320	ug/L #	1
14) Carbon disulfide	2.792	76	14384	0.258	ug/L	99
15) Methyl Acetate	2.956	43	1922m	0.346	ug/L	
16) Methylene chloride	3.039	84	6259	0.358	ug/L	92
17) Methyl tert-butyl Ether	3.361	73	9326	0.262	ug/L #	95
18) trans-1,2-Dichloroethene	3.354	96	4366	0.268	ug/L	81
19) 1,1-Dichloroethane	3.859	63	8630	0.276	ug/L	98
21) 2-Butanone	4.724	43	12540m	3.645	ug/L	
22) cis-1,2-Dichloroethene	4.657	96	4730	0.267	ug/L	93
23) Bromochloromethane	4.968	128	2195	0.296	ug/L	81
27) 1,2-Dichloroethane	5.795	62	5288	0.273	ug/L	96
29) 1,1,1-Trichloroethane	5.313	97	7932	0.264	ug/L	94

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30) Cyclohexane	5.383	56	6416	0.228	ug/L	91
31) Carbon tetrachloride	5.518	117	6817	0.261	ug/L	95
33) Benzene	5.772	78	18618	0.255	ug/L	100
37) 1,2-Dichloropropane	6.785	63	4797	0.257	ug/L #	93
38) Bromodichloromethane	7.100	83	6151	0.258	ug/L	94
39) cis-1,3-Dichloropropene	7.605	75	6165	0.227	ug/L	97
40) 4-Methyl-2-pentanone	7.788	43	22878	2.581	ug/L #	87
42) Toluene	7.968	91	21146	0.280	ug/L	97
44) trans-1,3-Dichloropropene	8.213	75	5452	0.244	ug/L	98
45) 1,1,2-Trichloroethane	8.399	97	3307	0.262	ug/L	94
47) Tetrachloroethene	8.547	164	3355	0.239	ug/L	93
48) 2-Hexanone	8.685	43	20339	3.221	ug/L	96
49) Dibromochloromethane	8.804	129	3797	0.262	ug/L	96
50) 1,2-Dibromoethane	8.923	107	3175	0.271	ug/L #	89
51) Chlorobenzene	9.447	112	12473	0.259	ug/L	97
52) Ethylbenzene	9.570	91	18097	0.217	ug/L	95
53) m,p-Xylene	9.692	106	6804	0.219	ug/L	90
54) o-Xylene	10.094	106	6628	0.224	ug/L	88
55) Styrene	10.116	104	9109	0.188	ug/L	91
57) 1,1,2,2-Tetrachloroethane	10.772	83	4098	0.269	ug/L #	84
59) Bromoform	10.290	173	1862	0.259	ug/L #	86
60) Isopropylbenzene	10.480	105	15588	0.224	ug/L	99
61) 1,2,3-Trichloropropane	10.820	75	2568	0.271	ug/L	96
62) 1,3,5-Trimethylbenzene	11.087	105	12026	0.211	ug/L	99
63) 1,2,4-Trimethylbenzene	11.463	105	10999	0.195	ug/L	94
64) 1,3-Dichlorobenzene	11.746	146	9313	0.283	ug/L	90
65) 1,4-Dichlorobenzene	11.833	146	9057	0.279	ug/L	95
67) 1,2-Dichlorobenzene	12.206	146	9108	0.304	ug/L	94
69) 1,3,5-Trichlorobenzene	13.846	180	4571	0.184	ug/L	94

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

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