

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU122723\
 Data File : VU057286.D
 Acq On : 27 Dec 2023 17:25
 Operator : MD/SY
 Sample : VSTD00519
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD005019

Manual Integrations
 APPROVED

Reviewed By : John Carlone 12/29/2023
 Supervised By : Mahesh Dadoda 12/29/2023

Quant Time: Dec 28 00:18:20 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR122723WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Thu Dec 28 00:16:32 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.245	114	260645	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.412	117	257123	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.807	152	129971	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.596	65	114771	4.699	ug/L	0.00
7) Chloroethane-d5	1.911	69	92449	4.622	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.560	65	45598	4.409	ug/L	0.00
20) 2-Butanone-d5	4.634	46	257551	62.295	ug/L	0.00
24) Chloroform-d	5.055	84	199313	4.319	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.695	65	103542	4.626	ug/L	0.00
32) Benzene-d6	5.721	84	375867	4.426	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.682	67	119053	4.833	ug/L	0.00
41) Toluene-d8	7.891	98	332495	4.341	ug/L	0.00
43) trans-1,3-Dichloroprop...	8.174	79	48098	4.688	ug/L	0.00
46) 2-Hexanone-d5	8.631	63	222045	60.176	ug/L	0.00
56) 1,1,2,2-Tetrachloroeth...	10.750	84	98119	5.420	ug/L	0.00
66) 1,2-Dichlorobenzene-d4	12.187	152	113509	4.205	ug/L	0.00
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.380	85	93844	4.036	ug/L	100
3) Chloromethane	1.518	50	101320	4.700	ug/L	100
5) Vinyl chloride	1.602	62	106400	4.717	ug/L	100
6) Bromomethane	1.856	94	48825	4.813	ug/L	100
8) Chloroethane	1.933	64	66850	4.675	ug/L	100
9) Trichlorofluoromethane	2.136	101	154879	3.907	ug/L	100
10) 1,1,2-Trichloro-1,2,2-...	2.576	101	96199	4.539	ug/L	100
12) 1,1-Dichloroethene	2.573	96	82988	4.349	ug/L	100
13) Acetone	2.657	43	150622m	60.513	ug/L	
14) Carbon disulfide	2.788	76	233075	3.924	ug/L	100
15) Methyl Acetate	2.956	43	33815	5.825	ug/L	100
16) Methylene chloride	3.039	84	99934	4.422	ug/L	100
17) Methyl tert-butyl Ether	3.354	73	209265	5.040	ug/L	100
18) trans-1,2-Dichloroethene	3.348	96	81872	4.429	ug/L	100
19) 1,1-Dichloroethane	3.862	63	174321	4.687	ug/L	100
21) 2-Butanone	4.714	43	230029	60.124	ug/L	100
22) cis-1,2-Dichloroethene	4.660	96	93709	4.575	ug/L	100
23) Bromochloromethane	4.968	128	41972	4.644	ug/L	100
25) Chloroform	5.081	83	183721	4.426	ug/L	100
27) 1,2-Dichloroethane	5.788	62	113520	4.601	ug/L	100
29) 1,1,1-Trichloroethane	5.309	97	159270	4.082	ug/L	100
30) Cyclohexane	5.383	56	120486	4.473	ug/L	100
31) Carbon tetrachloride	5.518	117	133197	3.906	ug/L	100
33) Benzene	5.769	78	370722	4.636	ug/L	100
34) Trichloroethene	6.538	95	96749	4.193	ug/L	100
35) Methylcyclohexane	6.756	83	129628	4.292	ug/L	100
37) 1,2-Dichloropropane	6.782	63	102094	5.034	ug/L	100
38) Bromodichloromethane	7.100	83	133223	4.617	ug/L	100
39) cis-1,3-Dichloropropene	7.602	75	141039	4.675	ug/L	100
40) 4-Methyl-2-pentanone	7.785	43	543067	58.994	ug/L	100
42) Toluene	7.965	91	382358	4.555	ug/L	100
44) trans-1,3-Dichloropropene	8.206	75	122619	4.771	ug/L	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
45) 1,1,2-Trichloroethane	8.393	97	74457	5.235	ug/L	100
47) Tetrachloroethene	8.547	164	68483	4.165	ug/L	100
48) 2-Hexanone	8.682	43	408222	59.979	ug/L	100
49) Dibromochloromethane	8.804	129	84868	4.725	ug/L	100
50) 1,2-Dibromoethane	8.917	107	66779	5.052	ug/L	100
51) Chlorobenzene	9.441	112	242710	4.422	ug/L	100
52) Ethylbenzene	9.566	91	396331	4.225	ug/L	100
53) m,p-Xylene	9.689	106	153074	4.455	ug/L	100
54) o-Xylene	10.094	106	146935	4.425	ug/L	100
55) Styrene	10.110	104	255266	4.653	ug/L	100
57) 1,1,2,2-Tetrachloroethane	10.775	83	93026	5.405	ug/L	100
59) Bromoform	10.283	173	48780	4.886	ug/L	100
60) Isopropylbenzene	10.479	105	395601	4.294	ug/L	100
61) 1,2,3-Trichloropropane	10.817	75	66426	5.336	ug/L	100
62) 1,3,5-Trimethylbenzene	11.084	105	307310	4.087	ug/L	100
63) 1,2,4-Trimethylbenzene	11.463	105	307492	4.147	ug/L	100
64) 1,3-Dichlorobenzene	11.740	146	190434	4.329	ug/L	100
65) 1,4-Dichlorobenzene	11.830	146	188368	4.259	ug/L	100
67) 1,2-Dichlorobenzene	12.206	146	177718	4.485	ug/L	100
68) 1,2-Dibromo-3-chloropr...	12.987	75	14127	5.096	ug/L	100
69) 1,3,5-Trichlorobenzene	13.213	180	131028	4.037	ug/L	100
70) 1,2,4-trichlorobenzene	13.833	180	102690	4.015	ug/L	100
71) Naphthalene	14.081	128	158801	4.754	ug/L	100
72) 1,2,3-Trichlorobenzene	14.325	180	91792	4.506	ug/L	100

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

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