

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU012722\
 Data File : VU046859.D
 Acq On : 27 Jan 2022 09:31
 Operator : SY/MD
 Sample : VSTDCCC005
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD005174

Manual Integrations
 APPROVED

Reviewed By : John Carlone 01/28/2022
 Supervised By : Mahesh Dadoda 01/28/2022

Quant Time: Jan 28 00:51:02 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR011822WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Thu Jan 27 00:12:19 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.256	114	110896	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.420	117	122120	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.816	152	67260	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.604	65	39017	4.152	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	83.000%
7) Chloroethane-d5	1.922	69	34211	4.621	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	92.400%
11) 1,1-Dichloroethene-d2	2.575	65	16245	4.346	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	87.000%
20) 2-Butanone-d5	4.668	46	138224	49.652	ug/L	0.02
Spiked Amount	50.000	Range	40 - 130	Recovery	=	99.300%
24) Chloroform-d	5.070	84	78836	4.779	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	95.600%
26) 1,2-Dichloroethane-d4	5.710	65	44134	4.913	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	98.200%
32) Benzene-d6	5.736	84	152709	4.255	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	85.000%
36) 1,2-Dichloropropane-d6	6.697	67	47332	4.392	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	87.800%
41) Toluene-d8	7.903	98	137382	4.182	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	83.600%
43) trans-1,3-Dichloroprop...	8.186	79	20322	4.294	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	85.800%
46) 2-Hexanone-d5	8.642	63	135234	48.259	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	96.520%
56) 1,1,2,2-Tetrachloroeth...	10.761	84	52301	4.834	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	96.600%
66) 1,2-Dichlorobenzene-d4	12.195	152	50962	4.040	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	80.800%
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.388	85	54276	5.203	ug/L	99
3) Chloromethane	1.530	50	46857	5.455	ug/L	99
5) Vinyl chloride	1.610	62	47309	5.290	ug/L	99
6) Bromomethane	1.867	94	29326	5.241	ug/L	97
8) Chloroethane	1.941	64	27724	5.385	ug/L	99
9) Trichlorofluoromethane	2.147	101	59048	5.418	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.591	101	33603	5.186	ug/L	98
12) 1,1-Dichloroethene	2.591	96	31562	5.097	ug/L	86
13) Acetone	2.694	43	76862m	50.764	ug/L	
14) Carbon disulfide	2.803	76	100217	4.928	ug/L	99
15) Methyl Acetate	2.974	43	13280	4.015	ug/L #	89
16) Methylene chloride	3.057	84	36362	4.863	ug/L	92
17) Methyl tert-butyl Ether	3.372	73	78638	4.526	ug/L	99
18) trans-1,2-Dichloroethene	3.366	96	33051	4.928	ug/L	93
19) 1,1-Dichloroethane	3.880	63	58213	5.170	ug/L	99
21) 2-Butanone	4.745	43	115538	47.448	ug/L	99
22) cis-1,2-Dichloroethene	4.678	96	33486	4.733	ug/L	97
23) Bromochloromethane	4.986	128	17189	4.938	ug/L	94
25) Chloroform	5.096	83	64231	3.594	ug/L	94

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27) 1,2-Dichloroethane	5.803	62	43001	5.451	ug/L	100
29) 1,1,1-Trichloroethane	5.324	97	53960	4.906	ug/L	97
30) Cyclohexane	5.398	56	47888	4.292	ug/L	96
31) Carbon tetrachloride	5.533	117	45875	4.861	ug/L	98
33) Benzene	5.781	78	136229	4.738	ug/L	100
34) Trichloroethene	6.546	95	32377	4.337	ug/L	95
35) Methylcyclohexane	6.771	83	51467	4.116	ug/L	98
37) 1,2-Dichloropropane	6.797	63	34664	4.915	ug/L	99
38) Bromodichloromethane	7.112	83	44635	4.397	ug/L	98
39) cis-1,3-Dichloropropene	7.613	75	48032	4.365	ug/L	99
40) 4-Methyl-2-pentanone	7.800	43	254949	49.305	ug/L	97
42) Toluene	7.973	91	145480	4.233	ug/L	99
44) trans-1,3-Dichloropropene	8.214	75	45515	4.642	ug/L	99
45) 1,1,2-Trichloroethane	8.404	97	29515	4.919	ug/L	95
47) Tetrachloroethene	8.559	164	25411	4.185	ug/L	95
48) 2-Hexanone	8.694	43	203533	52.148	ug/L	97
49) Dibromochloromethane	8.816	129	33005	4.663	ug/L	99
50) 1,2-Dibromoethane	8.928	107	29208	4.802	ug/L	96
51) Chlorobenzene	9.452	112	88612	4.440	ug/L	99
52) Ethylbenzene	9.575	91	139701	4.276	ug/L	99
53) m,p-Xylene	9.697	106	56190	4.314	ug/L	97
54) o-Xylene	10.105	106	52724	4.176	ug/L	96
55) Styrene	10.118	104	91094	4.411	ug/L	99
57) 1,1,2,2-Tetrachloroethane	10.787	83	39802	4.932	ug/L	97
59) Bromoform	10.295	173	19698	4.756	ug/L	99
60) Isopropylbenzene	10.488	105	138536	4.422	ug/L	99
61) 1,2,3-Trichloropropane	10.825	75	29369	5.153	ug/L	97
62) 1,3,5-Trimethylbenzene	11.092	105	106823	4.154	ug/L	99
63) 1,2,4-Trimethylbenzene	11.472	105	108644	4.105	ug/L	100
64) 1,3-Dichlorobenzene	11.748	146	66742	4.262	ug/L	97
65) 1,4-Dichlorobenzene	11.838	146	67723	4.297	ug/L	97
67) 1,2-Dichlorobenzene	12.214	146	67500	4.456	ug/L	97
68) 1,2-Dibromo-3-chloropr...	12.999	75	6695	5.660	ug/L	89
69) 1,3,5-Trichlorobenzene	13.221	180	48694	3.944	ug/L	99
70) 1,2,4-trichlorobenzene	13.841	180	39187	3.796	ug/L	100
71) Naphthalene	14.089	128	81621	3.884	ug/L	98
72) 1,2,3-Trichlorobenzene	14.330	180	41443	4.250	ug/L	97

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

