

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU072822\
 Data File : VU050001.D
 Acq On : 28 Jul 2022 21:43
 Operator : SY/MD
 Sample : VSTDCCC005
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD005138

Quant Time: Jul 29 02:40:36 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR072722WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Fri Jul 29 02:27:55 2022
 Response via : Initial Calibration

Manual Integrations
 APPROVED

Reviewed By : John Carlone 07/29/2022
 Supervised By : Semsettin Yesilyurt 08/01/2022

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

Internal Standards						
1) 1,4-Difluorobenzene	6.250	114	97603	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.417	117	95658	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.812	152	46251	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.597	65	38343	4.575	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	91.600%
7) Chloroethane-d5	1.912	69	30843	5.124	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	102.400%
11) 1,1-Dichloroethene-d2	2.562	65	15019	5.200	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	104.000%
20) 2-Butanone-d5	4.655	46	107364	57.553	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	115.100%
24) Chloroform-d	5.063	84	72052	5.196	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	104.000%
26) 1,2-Dichloroethane-d4	5.706	65	36410	5.211	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	104.200%
32) Benzene-d6	5.726	84	142604	5.045	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	100.800%
36) 1,2-Dichloropropane-d6	6.690	67	47026	5.078	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	101.600%
41) Toluene-d8	7.896	98	129427	5.151	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	103.000%
43) trans-1,3-Dichloroprop...	8.182	79	16174	4.983	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	99.600%
46) 2-Hexanone-d5	8.642	63	65627	54.016	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	108.040%
56) 1,1,2,2-Tetrachloroeth...	10.758	84	42030	5.402	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	108.000%
66) 1,2-Dichlorobenzene-d4	12.195	152	43302	5.048	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	101.000%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.385	85	34824	4.623	ug/L	100
3) Chloromethane	1.520	50	43819	4.909	ug/L	96
5) Vinyl chloride	1.600	62	41642	4.964	ug/L	98
6) Bromomethane	1.858	94	23616	5.086	ug/L	98
8) Chloroethane	1.932	64	26291	5.527	ug/L	97
9) Trichlorofluoromethane	2.134	101	48699	4.928	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.575	101	26586	4.570	ug/L	98
12) 1,1-Dichloroethene	2.575	96	27246	5.058	ug/L	89
13) Acetone	2.645	43	66155m	50.453	ug/L	
14) Carbon disulfide	2.787	76	74115	4.529	ug/L	99
15) Methyl Acetate	2.957	43	14884	5.471	ug/L	99
16) Methylene chloride	3.041	84	45786	5.528	ug/L	95
17) Methyl tert-butyl Ether	3.372	73	89804	5.964	ug/L	99
18) trans-1,2-Dichloroethene	3.343	96	30213	5.103	ug/L	95
19) 1,1-Dichloroethane	3.864	63	64134	5.280	ug/L	95
21) 2-Butanone	4.732	43	103987	55.062	ug/L	91
22) cis-1,2-Dichloroethene	4.665	96	37185	5.254	ug/L	99
23) Bromochloromethane	4.973	128	17236	5.318	ug/L	94
25) Chloroform	5.089	83	67445	4.955	ug/L	97

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27) 1,2-Dichloroethane	5.796	62	39769	5.235	ug/L	99
29) 1,1,1-Trichloroethane	5.311	97	52438	5.162	ug/L	99
30) Cyclohexane	5.382	56	39005	4.549	ug/L	99
31) Carbon tetrachloride	5.520	117	41012	4.970	ug/L	99
33) Benzene	5.771	78	143945	5.156	ug/L	100
34) Trichloroethene	6.539	95	33801	4.981	ug/L	100
35) Methylcyclohexane	6.761	83	38471	4.298	ug/L	99
37) 1,2-Dichloropropane	6.793	63	40593	5.276	ug/L	99
38) Bromodichloromethane	7.105	83	49567	5.324	ug/L	99
39) cis-1,3-Dichloropropene	7.607	75	46713	4.692	ug/L	98
40) 4-Methyl-2-pentanone	7.799	43	240462	54.088	ug/L	99
42) Toluene	7.970	91	149870	5.279	ug/L	98
44) trans-1,3-Dichloropropene	8.211	75	40647	4.861	ug/L	95
45) 1,1,2-Trichloroethane	8.401	97	30504	5.306	ug/L	99
47) Tetrachloroethene	8.552	164	23596	4.831	ug/L	95
48) 2-Hexanone	8.690	43	190392	56.180	ug/L	97
49) Dibromochloromethane	8.812	129	33033	5.251	ug/L	99
50) 1,2-Dibromoethane	8.925	107	27795	5.445	ug/L	95
51) Chlorobenzene	9.446	112	93046	5.163	ug/L	99
52) Ethylbenzene	9.571	91	139219	5.006	ug/L	100
53) m,p-Xylene	9.693	106	53612	5.063	ug/L	98
54) o-Xylene	10.102	106	54230	5.282	ug/L	96
55) Styrene	10.115	104	93422	5.342	ug/L	100
57) 1,1,2,2-Tetrachloroethane	10.783	83	40202	5.372	ug/L	99
59) Bromoform	10.291	173	19183	5.160	ug/L	99
60) Isopropylbenzene	10.484	105	131463	4.811	ug/L	99
61) 1,2,3-Trichloropropane	10.825	75	28206	5.251	ug/L	97
62) 1,3,5-Trimethylbenzene	11.089	105	104661	4.715	ug/L	100
63) 1,2,4-Trimethylbenzene	11.468	105	103360	4.805	ug/L	99
64) 1,3-Dichlorobenzene	11.745	146	64827	4.955	ug/L	99
65) 1,4-Dichlorobenzene	11.835	146	63902	4.936	ug/L	97
67) 1,2-Dichlorobenzene	12.214	146	65522	5.041	ug/L	99
68) 1,2-Dibromo-3-chloropr...	12.995	75	5562	5.242	ug/L #	83
69) 1,3,5-Trichlorobenzene	13.220	180	44299	4.696	ug/L	99
70) 1,2,4-trichlorobenzene	13.841	180	34114	4.534	ug/L	99
71) Naphthalene	14.089	128	63565	4.261	ug/L	99
72) 1,2,3-Trichlorobenzene	14.330	180	34846	4.666	ug/L	99

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

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