

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU072624\
 Data File : VU060221.D
 Acq On : 26 Jul 2024 13:31
 Operator : MD/SY
 Sample : VSTDCCC005
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD005158

Quant Time: Jul 26 23:11:26 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR071824WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Thu Jul 25 05:11:47 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.245	114	165474	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.412	117	166598	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.807	152	82755	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.595	65	45334	3.938	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	78.800%
7) Chloroethane-d5	1.911	69	43761	4.091	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	81.800%
11) 1,1-Dichloroethene-d2	2.560	65	17253	3.838	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	76.800%
20) 2-Butanone-d5	4.631	46	141355	52.515	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	105.040%
24) Chloroform-d	5.055	84	102765	4.247	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	85.000%
26) 1,2-Dichloroethane-d4	5.695	65	47578	4.223	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	84.400%
32) Benzene-d6	5.721	84	191227	4.284	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	85.600%
36) 1,2-Dichloropropane-d6	6.682	67	66685	4.688	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	93.800%
41) Toluene-d8	7.891	98	163368	4.051	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	81.000%
43) trans-1,3-Dichloroprop...	8.174	79	21107	4.359	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	87.200%
46) 2-Hexanone-d5	8.627	63	109948	51.175	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	102.340%
56) 1,1,2,2-Tetrachloroeth...	10.749	84	57911	4.575	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	91.400%
66) 1,2-Dichlorobenzene-d4	12.187	152	63597	4.258	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	85.200%
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.383	85	48718	3.894	ug/L	99
3) Chloromethane	1.518	50	63829	4.223	ug/L	100
5) Vinyl chloride	1.602	62	71737	4.234	ug/L	98
6) Bromomethane	1.856	94	41798	3.790	ug/L	97
8) Chloroethane	1.930	64	46958	4.243	ug/L	96
9) Trichlorofluoromethane	2.132	101	90522	4.237	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.576	101	59195	4.245	ug/L	95
12) 1,1-Dichloroethene	2.573	96	54125	4.285	ug/L	97
13) Acetone	2.644	43	92882	52.165	ug/L	97
14) Carbon disulfide	2.788	76	151962	4.132	ug/L	100
15) Methyl Acetate	2.956	43	23030	5.259	ug/L	90
16) Methylene chloride	3.039	84	67098	4.333	ug/L	97
17) Methyl tert-butyl Ether	3.357	73	131892	4.579	ug/L	97
18) trans-1,2-Dichloroethene	3.348	96	56093	4.269	ug/L	93
19) 1,1-Dichloroethane	3.862	63	114261	4.580	ug/L	99
21) 2-Butanone	4.711	43	146877	52.109	ug/L	94
22) cis-1,2-Dichloroethene	4.660	96	66288	4.505	ug/L	90
23) Bromochloromethane	4.968	128	28626	4.003	ug/L #	85
25) Chloroform	5.081	83	118919	4.335	ug/L	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.788	62	66153	4.218	ug/L	99
29) 1,1,1-Trichloroethane	5.309	97	94567	4.545	ug/L	99
30) Cyclohexane	5.383	56	86530	5.258	ug/L	91
31) Carbon tetrachloride	5.518	117	78951	4.398	ug/L	97
33) Benzene	5.769	78	263216	4.783	ug/L	100
34) Trichloroethene	6.537	95	65589	4.494	ug/L	94
35) Methylcyclohexane	6.759	83	93620	4.893	ug/L	93
37) 1,2-Dichloropropane	6.785	63	71729	4.824	ug/L	99
38) Bromodichloromethane	7.100	83	83277	4.471	ug/L	97
39) cis-1,3-Dichloropropene	7.602	75	94858	4.882	ug/L	97
40) 4-Methyl-2-pentanone	7.785	43	346588	52.679	ug/L	98
42) Toluene	7.965	91	279959	4.780	ug/L	99
44) trans-1,3-Dichloropropene	8.206	75	76952	4.741	ug/L	99
45) 1,1,2-Trichloroethane	8.393	97	50951	4.485	ug/L	99
47) Tetrachloroethene	8.550	164	48736	4.038	ug/L	98
48) 2-Hexanone	8.679	43	254163	52.761	ug/L	98
49) Dibromochloromethane	8.804	129	51567	4.103	ug/L	97
50) 1,2-Dibromoethane	8.920	107	44757	4.357	ug/L	94
51) Chlorobenzene	9.441	112	173405	4.532	ug/L	95
52) Ethylbenzene	9.566	91	289139	4.950	ug/L	98
53) m,p-Xylene	9.688	106	110437	4.894	ug/L	99
54) o-Xylene	10.097	106	103580	4.800	ug/L	89
55) Styrene	10.110	104	186295	5.072	ug/L	97
57) 1,1,2,2-Tetrachloroethane	10.775	83	62463	4.494	ug/L	98
59) Bromoform	10.283	173	30850	4.102	ug/L	98
60) Isopropylbenzene	10.479	105	280528	5.182	ug/L	98
61) 1,2,3-Trichloropropane	10.817	75	42645	4.888	ug/L	97
62) 1,3,5-Trimethylbenzene	11.084	105	219832	5.316	ug/L	99
63) 1,2,4-Trimethylbenzene	11.463	105	214851	5.376	ug/L	97
64) 1,3-Dichlorobenzene	11.740	146	134519	4.619	ug/L	99
65) 1,4-Dichlorobenzene	11.830	146	132734	4.477	ug/L	98
67) 1,2-Dichlorobenzene	12.206	146	124493	4.466	ug/L	97
68) 1,2-Dibromo-3-chloropr...	12.994	75	8077	4.750	ug/L	88
69) 1,3,5-Trichlorobenzene	13.212	180	97814	4.450	ug/L	96
70) 1,2,4-trichlorobenzene	13.836	180	79785	4.769	ug/L	98
71) Naphthalene	14.081	128	131273	5.538	ug/L	99
72) 1,2,3-Trichlorobenzene	14.325	180	71114	4.727	ug/L	99

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

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