

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU092523\
 Data File : VU055504.D
 Acq On : 25 Sep 2023 18:49
 Operator : MD/SY
 Sample : VSTDCCC005EC
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD005142

Quant Time: Sep 26 01:24:36 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR091923WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Mon Sep 25 01:08:17 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.245	114	324011	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.415	117	328678	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.811	152	188146	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.596	65	96441	2.945	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	58.800%
7) Chloroethane-d5	1.911	69	88819	3.078	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	61.600%#
11) 1,1-Dichloroethene-d2	2.563	65	41596	3.086	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	61.800%
20) 2-Butanone-d5	4.624	46	325090	54.961	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	109.920%
24) Chloroform-d	5.058	84	253307	4.276	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	85.600%
26) 1,2-Dichloroethane-d4	5.695	65	123850	4.347	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	87.000%
32) Benzene-d6	5.724	84	463342	4.030	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	80.600%
36) 1,2-Dichloropropane-d6	6.685	67	151050	4.397	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	88.000%
41) Toluene-d8	7.894	98	408230	3.896	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	78.000%
43) trans-1,3-Dichloroprop...	8.177	79	55608	4.613	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	92.200%
46) 2-Hexanone-d5	8.631	63	197264	53.800	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	107.600%
56) 1,1,2,2-Tetrachloroeth...	10.753	84	129133	5.016	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	100.400%
66) 1,2-Dichlorobenzene-d4	12.190	152	159880	4.210	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	84.200%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.383	85	146166	4.634	ug/L	100
3) Chloromethane	1.515	50	129913	4.682	ug/L	99
5) Vinyl chloride	1.602	62	141589	4.729	ug/L	98
6) Bromomethane	1.856	94	71811	3.776	ug/L	99
8) Chloroethane	1.930	64	80494	4.120	ug/L	96
9) Trichlorofluoromethane	2.136	101	184219	4.437	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.576	101	116275	4.603	ug/L	99
12) 1,1-Dichloroethene	2.576	96	110103	4.860	ug/L	82
13) Acetone	2.641	43	143804	42.650	ug/L	97
14) Carbon disulfide	2.788	76	336269	4.938	ug/L	99
15) Methyl Acetate	2.952	43	38208	4.970	ug/L	97
16) Methylene chloride	3.039	84	117979	4.347	ug/L	97
17) Methyl tert-butyl Ether	3.358	73	241722	4.919	ug/L	98
18) trans-1,2-Dichloroethene	3.348	96	112503	4.927	ug/L	97
19) 1,1-Dichloroethane	3.862	63	203960	4.830	ug/L	98
21) 2-Butanone	4.705	43	238760	48.281	ug/L	97
22) cis-1,2-Dichloroethene	4.663	96	126519	4.779	ug/L	98
23) Bromochloromethane	4.972	128	53527	4.784	ug/L	98
25) Chloroform	5.084	83	213997	4.786	ug/L	97

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.792	62	128227	4.676	ug/L	98
29) 1,1,1-Trichloroethane	5.312	97	187371	5.001	ug/L	96
30) Cyclohexane	5.386	56	171902	5.012	ug/L	99
31) Carbon tetrachloride	5.521	117	160849	5.008	ug/L	96
33) Benzene	5.769	78	477347	5.046	ug/L	100
34) Trichloroethene	6.541	95	128933	4.818	ug/L	98
35) Methylcyclohexane	6.759	83	185634	4.816	ug/L	98
37) 1,2-Dichloropropane	6.785	63	118369	4.784	ug/L	100
38) Bromodichloromethane	7.100	83	148003	5.105	ug/L	98
39) cis-1,3-Dichloropropene	7.605	75	169007	5.118	ug/L	99
40) 4-Methyl-2-pentanone	7.785	43	563825	50.240	ug/L	98
42) Toluene	7.965	91	503745	4.992	ug/L	99
44) trans-1,3-Dichloropropene	8.206	75	135694	5.136	ug/L	100
45) 1,1,2-Trichloroethane	8.396	97	85510	4.929	ug/L	99
47) Tetrachloroethene	8.550	164	94995	4.949	ug/L	97
48) 2-Hexanone	8.679	43	435488	50.069	ug/L	96
49) Dibromochloromethane	8.807	129	94266	5.184	ug/L	96
50) 1,2-Dibromoethane	8.923	107	81610	5.069	ug/L #	96
51) Chlorobenzene	9.444	112	317401	4.911	ug/L	98
52) Ethylbenzene	9.566	91	541550	5.006	ug/L	97
53) m,p-Xylene	9.692	106	206729	5.099	ug/L	97
54) o-Xylene	10.097	106	201248	5.106	ug/L	94
55) Styrene	10.113	104	336179	5.275	ug/L	99
57) 1,1,2,2-Tetrachloroethane	10.778	83	101033	5.159	ug/L	99
59) Bromoform	10.287	173	53103	5.266	ug/L	100
60) Isopropylbenzene	10.483	105	531407	4.901	ug/L	100
61) 1,2,3-Trichloropropane	10.820	75	70356	4.790	ug/L	99
62) 1,3,5-Trimethylbenzene	11.084	105	426386	4.917	ug/L	100
63) 1,2,4-Trimethylbenzene	11.467	105	416732	4.910	ug/L	100
64) 1,3-Dichlorobenzene	11.743	146	256468	4.940	ug/L	99
65) 1,4-Dichlorobenzene	11.833	146	250850	4.834	ug/L	99
67) 1,2-Dichlorobenzene	12.209	146	231530	4.864	ug/L	99
68) 1,2-Dibromo-3-chloropr...	12.994	75	13100	5.146	ug/L	94
69) 1,3,5-Trichlorobenzene	13.216	180	171779	4.805	ug/L	99
70) 1,2,4-trichlorobenzene	13.836	180	131675	4.831	ug/L	99
71) Naphthalene	14.084	128	186513	4.727	ug/L	100
72) 1,2,3-Trichlorobenzene	14.325	180	113792	4.798	ug/L	96

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

