

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU100423\
 Data File : VU055654.D
 Acq On : 04 Oct 2023 09:13
 Operator : MD/SY
 Sample : VSTDCCC005
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD005157

Quant Time: Oct 04 22:57:20 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR091923WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Wed Oct 04 04:40:48 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.248	114	190903	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.415	117	198360	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.810	152	112250	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.599	65	95065	4.927	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	98.600%
7) Chloroethane-d5	1.911	69	74650	4.390	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	87.800%
11) 1,1-Dichloroethene-d2	2.567	65	36483	4.594	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	91.800%
20) 2-Butanone-d5	4.628	46	137819	39.546	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	79.100%
24) Chloroform-d	5.062	84	159469	4.569	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	91.400%
26) 1,2-Dichloroethane-d4	5.701	65	71926	4.285	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	85.600%
32) Benzene-d6	5.724	84	318617	4.592	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	91.800%
36) 1,2-Dichloropropane-d6	6.689	67	92395	4.457	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	89.200%
41) Toluene-d8	7.897	98	293467	4.641	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	92.800%
43) trans-1,3-Dichloroprop...	8.180	79	32012	4.400	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	88.000%
46) 2-Hexanone-d5	8.631	63	80049	36.175	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	72.360%
56) 1,1,2,2-Tetrachloroeth...	10.753	84	67064	4.317	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	86.400%
66) 1,2-Dichlorobenzene-d4	12.190	152	92828	4.097	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	82.000%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.383	85	79647	4.285	ug/L	98
3) Chloromethane	1.518	50	83276	5.093	ug/L	98
5) Vinyl chloride	1.602	62	92797	5.261	ug/L	99
6) Bromomethane	1.856	94	52340	4.672	ug/L	97
8) Chloroethane	1.933	64	55569	4.828	ug/L	99
9) Trichlorofluoromethane	2.139	101	122839	5.022	ug/L	100
10) 1,1,2-Trichloro-1,2,2-...	2.579	101	71815	4.825	ug/L	99
12) 1,1-Dichloroethene	2.579	96	62535	4.685	ug/L	94
13) Acetone	2.637	43	89234	44.919	ug/L	99
14) Carbon disulfide	2.792	76	197064	4.911	ug/L	100
15) Methyl Acetate	2.952	43	29072	6.419	ug/L	98
16) Methylene chloride	3.042	84	80474	5.032	ug/L	98
17) Methyl tert-butyl Ether	3.361	73	140914	4.867	ug/L	100
18) trans-1,2-Dichloroethene	3.351	96	67206	4.996	ug/L	97
19) 1,1-Dichloroethane	3.865	63	131139	5.271	ug/L	98
21) 2-Butanone	4.708	43	138896	47.671	ug/L	100
22) cis-1,2-Dichloroethene	4.663	96	73655	4.722	ug/L	97
23) Bromochloromethane	4.972	128	32724	4.964	ug/L	93
25) Chloroform	5.084	83	136918	5.197	ug/L	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.791	62	78825	4.879	ug/L #	95
29) 1,1,1-Trichloroethane	5.316	97	116272	5.142	ug/L	98
30) Cyclohexane	5.386	56	96814	4.677	ug/L	98
31) Carbon tetrachloride	5.525	117	100484	5.184	ug/L	98
33) Benzene	5.772	78	293349	5.138	ug/L	100
34) Trichloroethene	6.541	95	78801	4.880	ug/L	98
35) Methylcyclohexane	6.762	83	104837	4.507	ug/L	96
37) 1,2-Dichloropropane	6.788	63	77439	5.186	ug/L	100
38) Bromodichloromethane	7.103	83	97097	5.549	ug/L	96
39) cis-1,3-Dichloropropene	7.605	75	96942	4.865	ug/L	96
40) 4-Methyl-2-pentanone	7.788	43	350231	51.710	ug/L	98
42) Toluene	7.968	91	308728	5.070	ug/L	100
44) trans-1,3-Dichloropropene	8.209	75	77565	4.865	ug/L	96
45) 1,1,2-Trichloroethane	8.399	97	54988	5.253	ug/L	98
47) Tetrachloroethene	8.550	164	55945	4.829	ug/L	97
48) 2-Hexanone	8.682	43	255168	48.611	ug/L	96
49) Dibromochloromethane	8.807	129	60060	5.473	ug/L	92
50) 1,2-Dibromoethane	8.923	107	49515	5.096	ug/L #	99
51) Chlorobenzene	9.444	112	193240	4.954	ug/L	98
52) Ethylbenzene	9.569	91	318459	4.878	ug/L	97
53) m,p-Xylene	9.692	106	122746	5.017	ug/L	97
54) o-Xylene	10.097	106	115745	4.866	ug/L	96
55) Styrene	10.113	104	197953	5.147	ug/L	99
57) 1,1,2,2-Tetrachloroethane	10.778	83	60855	5.149	ug/L	99
59) Bromoform	10.286	173	32806	5.453	ug/L	99
60) Isopropylbenzene	10.483	105	309385	4.782	ug/L	99
61) 1,2,3-Trichloropropane	10.820	75	45086	5.145	ug/L	96
62) 1,3,5-Trimethylbenzene	11.087	105	239036	4.620	ug/L	98
63) 1,2,4-Trimethylbenzene	11.466	105	229566	4.533	ug/L	98
64) 1,3-Dichlorobenzene	11.743	146	155668	5.026	ug/L	98
65) 1,4-Dichlorobenzene	11.833	146	152725	4.934	ug/L	98
67) 1,2-Dichlorobenzene	12.209	146	139814	4.924	ug/L	98
68) 1,2-Dibromo-3-chloropr...	12.994	75	8233	5.421	ug/L	96
69) 1,3,5-Trichlorobenzene	13.219	180	97908	4.590	ug/L	99
70) 1,2,4-trichlorobenzene	13.839	180	71840	4.418	ug/L	99
71) Naphthalene	14.087	128	93350	3.965	ug/L	99
72) 1,2,3-Trichlorobenzene	14.328	180	62542	4.420	ug/L	98

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

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