

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU061623\
 Data File : VU054582.D
 Acq On : 16 Jun 2023 19:00
 Operator : MD/SY
 Sample : VSTDCCC005EC
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD005188

Quant Time: Jun 17 06:18:00 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR060723WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Sat Jun 17 06:10:25 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.245	114	258714	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.412	117	244758	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.807	152	134099	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.599	65	57657	3.502	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	70.000%
7) Chloroethane-d5	1.911	69	75839	4.920	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	98.400%
11) 1,1-Dichloroethene-d2	2.566	65	27441	3.732	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	74.600%
20) 2-Butanone-d5	4.627	46	257130	55.545	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	111.080%
24) Chloroform-d	5.058	84	182179	5.293	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	105.800%
26) 1,2-Dichloroethane-d4	5.698	65	87965	5.243	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	104.800%
32) Benzene-d6	5.724	84	333752	4.905	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	98.200%
36) 1,2-Dichloropropane-d6	6.685	67	115676	5.091	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	101.800%
41) Toluene-d8	7.894	98	288124	4.772	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	95.400%
43) trans-1,3-Dichloroprop...	8.177	79	37479	4.743	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	94.800%
46) 2-Hexanone-d5	8.627	63	180870	54.562	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	109.120%
56) 1,1,2,2-Tetrachloroeth...	10.753	84	91287	5.388	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	107.800%
66) 1,2-Dichlorobenzene-d4	12.190	152	109783	4.854	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	97.000%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.383	85	110741	4.581	ug/L	98
3) Chloromethane	1.518	50	133152	4.795	ug/L	99
5) Vinyl chloride	1.602	62	137723	4.832	ug/L	98
6) Bromomethane	1.856	94	78355	5.000	ug/L	98
8) Chloroethane	1.933	64	88055	5.154	ug/L	96
9) Trichlorofluoromethane	2.136	101	183444	5.235	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.579	101	104774	5.111	ug/L	99
12) 1,1-Dichloroethene	2.579	96	95682	5.099	ug/L	99
13) Acetone	2.637	43	167859	38.458	ug/L	99
14) Carbon disulfide	2.791	76	270963	4.869	ug/L	100
15) Methyl Acetate	2.952	43	38458	4.755	ug/L	99
16) Methylene chloride	3.042	84	112029	4.246	ug/L	98
17) Methyl tert-butyl Ether	3.361	73	246623	5.325	ug/L	99
18) trans-1,2-Dichloroethene	3.351	96	102001	5.265	ug/L	94
19) 1,1-Dichloroethane	3.865	63	209717	5.231	ug/L	99
21) 2-Butanone	4.708	43	269718	47.614	ug/L	99
22) cis-1,2-Dichloroethene	4.663	96	115572	5.238	ug/L	98
23) Bromochloromethane	4.971	128	50273	5.476	ug/L	89
25) Chloroform	5.084	83	214323	5.422	ug/L	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.791	62	123664	5.337	ug/L	99
29) 1,1,1-Trichloroethane	5.312	97	174851	5.268	ug/L	99
30) Cyclohexane	5.386	56	162276	4.489	ug/L	96
31) Carbon tetrachloride	5.521	117	153578	5.370	ug/L	99
33) Benzene	5.772	78	454036	5.162	ug/L	100
34) Trichloroethene	6.537	95	116784	5.021	ug/L	94
35) Methylcyclohexane	6.759	83	156179	4.442	ug/L	99
37) 1,2-Dichloropropane	6.788	63	124144	5.220	ug/L	100
38) Bromodichloromethane	7.100	83	143857	5.343	ug/L	98
39) cis-1,3-Dichloropropene	7.605	75	167677	5.164	ug/L	99
40) 4-Methyl-2-pentanone	7.785	43	656782	51.746	ug/L	99
42) Toluene	7.965	91	482612	5.328	ug/L	100
44) trans-1,3-Dichloropropene	8.206	75	138492	5.255	ug/L	97
45) 1,1,2-Trichloroethane	8.396	97	83026	5.487	ug/L	99
47) Tetrachloroethene	8.550	164	88210	4.954	ug/L	95
48) 2-Hexanone	8.679	43	476446	50.379	ug/L	98
49) Dibromochloromethane	8.804	129	91495	5.759	ug/L	99
50) 1,2-Dibromoethane	8.920	107	76384	5.499	ug/L	97
51) Chlorobenzene	9.444	112	298739	5.290	ug/L	99
52) Ethylbenzene	9.566	91	515955	5.215	ug/L	98
53) m,p-Xylene	9.692	106	195943	5.391	ug/L	98
54) o-Xylene	10.097	106	190924	5.432	ug/L	99
55) Styrene	10.110	104	320155	5.427	ug/L	100
57) 1,1,2,2-Tetrachloroethane	10.778	83	105091	5.468	ug/L	100
59) Bromoform	10.286	173	55928	5.809	ug/L	99
60) Isopropylbenzene	10.479	105	514386	5.243	ug/L	99
61) 1,2,3-Trichloropropane	10.817	75	68937	5.087	ug/L	97
62) 1,3,5-Trimethylbenzene	11.084	105	410430	5.128	ug/L	99
63) 1,2,4-Trimethylbenzene	11.463	105	416425	5.123	ug/L	99
64) 1,3-Dichlorobenzene	11.743	146	245045	5.344	ug/L	97
65) 1,4-Dichlorobenzene	11.833	146	245020	5.324	ug/L	98
67) 1,2-Dichlorobenzene	12.206	146	226317	5.366	ug/L	98
68) 1,2-Dibromo-3-chloropr...	12.990	75	16046	5.388	ug/L	99
69) 1,3,5-Trichlorobenzene	13.216	180	183947	5.317	ug/L	98
70) 1,2,4-trichlorobenzene	13.836	180	153081	5.351	ug/L	99
71) Naphthalene	14.080	128	245378	5.275	ug/L	100
72) 1,2,3-Trichlorobenzene	14.325	180	136477	5.553	ug/L	98

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

