

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU121223\
 Data File : VU056824.D
 Acq On : 13 Dec 2023 08:45
 Operator : MD/SY
 Sample : VSTDCCC005EC
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 53 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD005199

Quant Time: Dec 13 09:13:28 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR121123WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Wed Dec 13 01:32:29 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.242	114	264924	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.415	117	260932	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.807	152	120331	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.596	65	97650	4.300	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	86.000%
7) Chloroethane-d5	1.904	69	59702	3.513	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	70.200%
11) 1,1-Dichloroethene-d2	2.557	65	42977	4.423	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	88.400%
20) 2-Butanone-d5	4.621	46	228825	51.025	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	102.040%
24) Chloroform-d	5.055	84	206863	4.811	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	96.200%
26) 1,2-Dichloroethane-d4	5.695	65	98393	4.835	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	96.800%
32) Benzene-d6	5.721	84	396444	4.898	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	98.000%
36) 1,2-Dichloropropane-d6	6.682	67	123043	4.857	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	97.200%
41) Toluene-d8	7.894	98	354887	4.906	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	98.200%
43) trans-1,3-Dichloroprop...	8.177	79	45872	4.669	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	93.400%
46) 2-Hexanone-d5	8.640	63	201304	54.843	ug/L	0.01
Spiked Amount	50.000	Range	45 - 130	Recovery	=	109.680%
56) 1,1,2,2-Tetrachloroeth...	10.753	84	93234	5.087	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	101.800%
66) 1,2-Dichlorobenzene-d4	12.187	152	116703	4.934	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	98.600%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.380	85	130716	4.709	ug/L	98
3) Chloromethane	1.515	50	132124	4.840	ug/L	98
5) Vinyl chloride	1.602	62	133099	4.910	ug/L	100
6) Bromomethane	1.853	94	58444	3.657	ug/L	96
8) Chloroethane	1.924	64	56400	3.552	ug/L	91
9) Trichlorofluoromethane	2.126	101	185817	4.864	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.573	101	110428	4.713	ug/L	98
12) 1,1-Dichloroethene	2.570	96	102557	4.768	ug/L	95
13) Acetone	2.628	43	124701	45.628	ug/L	96
14) Carbon disulfide	2.785	76	345374	4.628	ug/L	98
15) Methyl Acetate	2.946	43	36178	4.857	ug/L	99
16) Methylene chloride	3.039	84	118543	5.059	ug/L	99
17) Methyl tert-butyl Ether	3.354	73	236320	4.955	ug/L	99
18) trans-1,2-Dichloroethene	3.345	96	108138	4.959	ug/L	98
19) 1,1-Dichloroethane	3.859	63	202733	4.833	ug/L	97
21) 2-Butanone	4.702	43	211756	48.151	ug/L	96
22) cis-1,2-Dichloroethene	4.660	96	115708	4.877	ug/L	98
23) Bromochloromethane	4.968	128	48913	4.925	ug/L	97
25) Chloroform	5.078	83	210848	4.798	ug/L	94

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.785	62	124896	4.806	ug/L	97
29) 1,1,1-Trichloroethane	5.309	97	186756	4.951	ug/L	99
30) Cyclohexane	5.380	56	177747	5.021	ug/L	98
31) Carbon tetrachloride	5.518	117	160509	4.896	ug/L	97
33) Benzene	5.766	78	456858	4.982	ug/L	100
34) Trichloroethene	6.534	95	120461	4.789	ug/L	98
35) Methylcyclohexane	6.756	83	177620	4.785	ug/L	99
37) 1,2-Dichloropropane	6.782	63	115545	4.926	ug/L	99
38) Bromodichloromethane	7.100	83	142978	4.780	ug/L	100
39) cis-1,3-Dichloropropene	7.602	75	165561	4.843	ug/L	97
40) 4-Methyl-2-pentanone	7.788	43	563436	50.583	ug/L	99
42) Toluene	7.965	91	482773	5.088	ug/L	99
44) trans-1,3-Dichloropropene	8.206	75	133004	4.747	ug/L	98
45) 1,1,2-Trichloroethane	8.393	97	78215	4.932	ug/L	95
47) Tetrachloroethene	8.547	164	85119	4.835	ug/L	98
48) 2-Hexanone	8.689	43	402793	50.772	ug/L	99
49) Dibromochloromethane	8.804	129	88966	4.880	ug/L	97
50) 1,2-Dibromoethane	8.920	107	72079	4.897	ug/L	94
51) Chlorobenzene	9.444	112	335866	5.554	ug/L	98
52) Ethylbenzene	9.566	91	528007	5.045	ug/L	99
53) m,p-Xylene	9.692	106	201420	5.165	ug/L	98
54) o-Xylene	10.097	106	190157	5.118	ug/L	100
55) Styrene	10.113	104	324461	5.319	ug/L	98
57) 1,1,2,2-Tetrachloroethane	10.778	83	94908	4.954	ug/L #	96
59) Bromoform	10.290	173	50655	5.156	ug/L	96
60) Isopropylbenzene	10.479	105	510032	5.365	ug/L	99
61) 1,2,3-Trichloropropane	10.820	75	65455	5.066	ug/L	98
62) 1,3,5-Trimethylbenzene	11.084	105	429153	5.523	ug/L	99
63) 1,2,4-Trimethylbenzene	11.463	105	421883	5.467	ug/L	100
64) 1,3-Dichlorobenzene	11.743	146	280951	6.247	ug/L	99
65) 1,4-Dichlorobenzene	11.833	146	387914	8.760	ug/L	99
67) 1,2-Dichlorobenzene	12.206	146	517066	12.621	ug/L	100
68) 1,2-Dibromo-3-chloropr...	12.987	75	12245	4.747	ug/L #	86
69) 1,3,5-Trichlorobenzene	13.212	180	152751	4.495	ug/L	99
70) 1,2,4-trichlorobenzene	13.833	180	131978	4.904	ug/L	100
71) Naphthalene	14.081	128	156333	3.970	ug/L	99
72) 1,2,3-Trichlorobenzene	14.325	180	98970	4.332	ug/L	97

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

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