

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU121322\
 Data File : VU052368.D
 Acq On : 13 Dec 2022 11:12
 Operator : JC/MD
 Sample : VSTDCCC005
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD005105

Quant Time: Dec 14 03:14:31 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR111822WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Tue Dec 13 01:01:45 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.247	114	275237	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.414	117	272641	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.809	152	145315	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.600	65	98619	3.684	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	73.600%
7) Chloroethane-d5	1.916	69	86848	4.176	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	83.600%
11) 1,1-Dichloroethene-d2	2.568	65	41888	4.365	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	87.200%
20) 2-Butanone-d5	4.639	46	286899	59.120	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	118.240%
24) Chloroform-d	5.060	84	191135	4.859	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	97.200%
26) 1,2-Dichloroethane-d4	5.700	65	94819	4.772	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	95.400%
32) Benzene-d6	5.726	84	389903	4.817	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	96.400%
36) 1,2-Dichloropropane-d6	6.687	67	124081	4.953	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	99.000%
41) Toluene-d8	7.896	98	364965	4.984	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	99.600%
43) trans-1,3-Dichloroprop...	8.176	79	44062	4.827	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	96.600%
46) 2-Hexanone-d5	8.632	63	223648	57.813	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	115.620%
56) 1,1,2,2-Tetrachloroeth...	10.751	84	113690	5.235	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	104.600%
66) 1,2-Dichlorobenzene-d4	12.188	152	134380	4.830	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	96.600%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.385	85	108189	4.532	ug/L	99
3) Chloromethane	1.520	50	107843	3.462	ug/L	99
5) Vinyl chloride	1.607	62	128956	4.308	ug/L	97
6) Bromomethane	1.861	94	57792	3.763	ug/L	99
8) Chloroethane	1.938	64	79743	4.284	ug/L	95
9) Trichlorofluoromethane	2.141	101	157938	4.796	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.581	101	98922	4.913	ug/L	100
12) 1,1-Dichloroethene	2.581	96	96558	4.836	ug/L	93
13) Acetone	2.658	43	184442	55.970	ug/L	99
14) Carbon disulfide	2.797	76	309649	4.480	ug/L	99
15) Methyl Acetate	2.957	43	41563	4.863	ug/L	95
16) Methylene chloride	3.047	84	153918	5.698	ug/L	100
17) Methyl tert-butyl Ether	3.362	73	212774	4.760	ug/L	99
18) trans-1,2-Dichloroethene	3.353	96	100391	4.690	ug/L	98
19) 1,1-Dichloroethane	3.867	63	182660	4.735	ug/L	99
21) 2-Butanone	4.716	43	287836	54.497	ug/L	98
22) cis-1,2-Dichloroethene	4.665	96	108973	4.851	ug/L	98
23) Bromochloromethane	4.973	128	51960	4.835	ug/L	95
25) Chloroform	5.086	83	186172	4.763	ug/L	97

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.790	62	115304	4.816	ug/L	98
29) 1,1,1-Trichloroethane	5.314	97	149872	4.955	ug/L	98
30) Cyclohexane	5.388	56	154609	5.264	ug/L	98
31) Carbon tetrachloride	5.523	117	128931	5.016	ug/L	98
33) Benzene	5.771	78	434256	4.894	ug/L	100
34) Trichloroethene	6.539	95	105347	4.760	ug/L	99
35) Methylcyclohexane	6.761	83	168468	5.292	ug/L	99
37) 1,2-Dichloropropane	6.790	63	111407	4.849	ug/L	99
38) Bromodichloromethane	7.105	83	135245	4.829	ug/L	96
39) cis-1,3-Dichloropropene	7.603	75	140699	4.770	ug/L	99
40) 4-Methyl-2-pentanone	7.790	43	644539	53.710	ug/L	99
42) Toluene	7.967	91	458920	5.028	ug/L	97
44) trans-1,3-Dichloropropene	8.208	75	122500	4.850	ug/L	97
45) 1,1,2-Trichloroethane	8.398	97	85056	4.927	ug/L	99
47) Tetrachloroethene	8.552	164	85348	5.032	ug/L	96
48) 2-Hexanone	8.684	43	501066	56.955	ug/L	99
49) Dibromochloromethane	8.806	129	97090	5.021	ug/L	99
50) 1,2-Dibromoethane	8.922	107	78409	4.986	ug/L	95
51) Chlorobenzene	9.443	112	287291	4.937	ug/L	99
52) Ethylbenzene	9.568	91	452394	5.098	ug/L	100
53) m,p-Xylene	9.690	106	180315	5.248	ug/L	97
54) o-Xylene	10.098	106	171508	5.208	ug/L	98
55) Styrene	10.111	104	294397	5.293	ug/L	100
57) 1,1,2,2-Tetrachloroethane	10.777	83	108887	5.050	ug/L	99
59) Bromoform	10.288	173	58236	4.866	ug/L	99
60) Isopropylbenzene	10.481	105	449961	4.930	ug/L	100
61) 1,2,3-Trichloropropane	10.819	75	75781	4.557	ug/L	99
62) 1,3,5-Trimethylbenzene	11.086	105	349667	4.792	ug/L	99
63) 1,2,4-Trimethylbenzene	11.465	105	356596	4.923	ug/L	99
64) 1,3-Dichlorobenzene	11.741	146	227943	4.891	ug/L	99
65) 1,4-Dichlorobenzene	11.832	146	228806	4.922	ug/L	100
67) 1,2-Dichlorobenzene	12.208	146	214145	4.771	ug/L	99
68) 1,2-Dibromo-3-chloropr...	12.992	75	16523	4.540	ug/L	99
69) 1,3,5-Trichlorobenzene	13.214	180	165944	5.021	ug/L	99
70) 1,2,4-trichlorobenzene	13.838	180	138456	5.502	ug/L	99
71) Naphthalene	14.082	128	248534	5.260	ug/L	100
72) 1,2,3-Trichlorobenzene	14.327	180	134826	5.445	ug/L	99

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

