

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU121723\
 Data File : VU056983.D
 Acq On : 17 Dec 2023 21:16
 Operator : MD/SY
 Sample : VSTDCCC005EC
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD005091

Quant Time: Dec 18 01:20:54 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR121123WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Mon Dec 18 01:16:15 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.242	114	173317	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.412	117	179937	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.807	152	98322	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.595	65	60781	4.091	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	81.800%
7) Chloroethane-d5	1.907	69	58170	5.232	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	104.600%
11) 1,1-Dichloroethene-d2	2.563	65	28013	4.407	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	88.200%
20) 2-Butanone-d5	4.618	46	193746	66.038	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	132.080%#
24) Chloroform-d	5.055	84	162062	5.761	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	115.200%
26) 1,2-Dichloroethane-d4	5.695	65	78449	5.893	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	117.800%
32) Benzene-d6	5.721	84	281824	5.050	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	101.000%
36) 1,2-Dichloropropane-d6	6.682	67	89065	5.099	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	102.000%
41) Toluene-d8	7.891	98	229765	4.606	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	92.200%
43) trans-1,3-Dichloroprop...	8.174	79	31405	4.636	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	92.800%
46) 2-Hexanone-d5	8.627	63	162270	63.510	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	127.020%
56) 1,1,2,2-Tetrachloroeth...	10.749	84	78729	6.229	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	124.600%#
66) 1,2-Dichlorobenzene-d4	12.190	152	90510	4.683	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	93.600%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.380	85	98446	5.421	ug/L	99
3) Chloromethane	1.515	50	111222	6.228	ug/L	96
5) Vinyl chloride	1.599	62	106795	6.022	ug/L	99
6) Bromomethane	1.849	94	48345	4.624	ug/L	100
8) Chloroethane	1.927	64	67204	6.469	ug/L	99
9) Trichlorofluoromethane	2.132	101	147537	5.903	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.576	101	87658	5.718	ug/L	97
12) 1,1-Dichloroethene	2.576	96	82968	5.896	ug/L	83
13) Acetone	2.624	43	115305	64.490	ug/L	99
14) Carbon disulfide	2.788	76	260473	5.335	ug/L	100
15) Methyl Acetate	2.946	43	30904	6.350	ug/L	99
16) Methylene chloride	3.039	84	98668	6.436	ug/L	98
17) Methyl tert-butyl Ether	3.354	73	197018	6.315	ug/L	99
18) trans-1,2-Dichloroethene	3.348	96	85324	5.981	ug/L	95
19) 1,1-Dichloroethane	3.862	63	176806	6.443	ug/L	96
21) 2-Butanone	4.698	43	186355	61.806	ug/L	100
22) cis-1,2-Dichloroethene	4.660	96	95316	6.141	ug/L	98
23) Bromochloromethane	4.968	128	42663	6.566	ug/L	92
25) Chloroform	5.081	83	182104	6.334	ug/L	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.785	62	108458	6.379	ug/L	96
29) 1,1,1-Trichloroethane	5.309	97	156402	6.013	ug/L	97
30) Cyclohexane	5.380	56	124795	5.112	ug/L	100
31) Carbon tetrachloride	5.518	117	128532	5.686	ug/L	99
33) Benzene	5.766	78	375243	5.934	ug/L	100
34) Trichloroethene	6.537	95	89434	5.156	ug/L	99
35) Methylcyclohexane	6.756	83	118362	4.624	ug/L	99
37) 1,2-Dichloropropane	6.785	63	95342	5.894	ug/L	100
38) Bromodichloromethane	7.097	83	120836	5.858	ug/L	97
39) cis-1,3-Dichloropropene	7.602	75	112142	4.757	ug/L	100
40) 4-Methyl-2-pentanone	7.785	43	453804	59.079	ug/L	100
42) Toluene	7.965	91	363722	5.559	ug/L	100
44) trans-1,3-Dichloropropene	8.206	75	99871	5.168	ug/L	98
45) 1,1,2-Trichloroethane	8.393	97	61578	5.631	ug/L	95
47) Tetrachloroethene	8.547	164	65452	5.391	ug/L	96
48) 2-Hexanone	8.679	43	332972	60.864	ug/L	100
49) Dibromochloromethane	8.804	129	73923	5.881	ug/L	97
50) 1,2-Dibromoethane	8.920	107	61550	6.064	ug/L #	97
51) Chlorobenzene	9.441	112	224981	5.395	ug/L	98
52) Ethylbenzene	9.566	91	402306	5.574	ug/L	99
53) m,p-Xylene	9.688	106	154501	5.745	ug/L	97
54) o-Xylene	10.097	106	149031	5.817	ug/L	93
55) Styrene	10.110	104	249174	5.923	ug/L	99
57) 1,1,2,2-Tetrachloroethane	10.775	83	82273	6.227	ug/L	97
59) Bromoform	10.283	173	44865	5.589	ug/L	99
60) Isopropylbenzene	10.479	105	386177	4.971	ug/L	99
61) 1,2,3-Trichloropropane	10.817	75	57305	5.428	ug/L	97
62) 1,3,5-Trimethylbenzene	11.081	105	304313	4.793	ug/L	100
63) 1,2,4-Trimethylbenzene	11.463	105	308313	4.889	ug/L	99
64) 1,3-Dichlorobenzene	11.740	146	187232	5.095	ug/L	99
65) 1,4-Dichlorobenzene	11.830	146	180920	5.000	ug/L	97
67) 1,2-Dichlorobenzene	12.206	146	173142	5.172	ug/L	97
68) 1,2-Dibromo-3-chloropr...	12.990	75	11801	5.599	ug/L	90
69) 1,3,5-Trichlorobenzene	13.212	180	126131	4.543	ug/L	99
70) 1,2,4-trichlorobenzene	13.833	180	94657	4.305	ug/L	99
71) Naphthalene	14.080	128	130516	4.056	ug/L	99
72) 1,2,3-Trichlorobenzene	14.325	180	82201	4.404	ug/L	97

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

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