

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU051922\
 Data File : VU048623.D
 Acq On : 19 May 2022 09:42
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD050134

Quant Time: May 20 04:32:25 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM051622WMA.M
 Quant Title : VOC Analysis
 QLast Update : Thu May 19 06:01:59 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.250	114	232979	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.417	117	232928	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.812	152	141953	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.600	65	53831	37.724	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	75.440%
7) Chloroethane-d5	1.912	69	43279	40.482	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	80.960%
11) 1,1-Dichloroethene-d2	2.571	63	142753	44.234	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	88.460%
21) 2-Butanone-d5	4.620	46	107208	78.948	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	78.950%
24) Chloroform-d	5.067	84	166201	46.091	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	92.180%
26) 1,2-Dichloroethane-d4	5.703	65	114268	44.917	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	89.840%
32) Benzene-d6	5.729	84	282264	43.542	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	87.080%
36) 1,2-Dichloropropane-d6	6.694	67	80182	42.133	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	84.260%
41) Toluene-d8	7.899	98	271846	44.583	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	89.160%
43) trans-1,3-Dichloroprop...	8.179	79	47954	39.405	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	78.820%
47) 2-Hexanone-d5	8.632	63	79706	76.370	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	76.370%
56) 1,1,2,2-Tetrachloroeth...	10.758	84	135794	43.122	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	86.240%
66) 1,2-Dichlorobenzene-d4	12.195	152	124381	42.862	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	85.720%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.385	85	115316	46.058	ug/L	97
3) Chloromethane	1.523	50	67227	43.518	ug/L	99
5) Vinyl chloride	1.607	62	73658	44.822	ug/L	100
6) Bromomethane	1.854	94	54641	46.057	ug/L	98
8) Chloroethane	1.935	64	45391	46.927	ug/L	99
9) Trichlorofluoromethane	2.141	101	154843	48.266	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.584	101	79810	48.787	ug/L	96
12) 1,1-Dichloroethene	2.581	96	73943	48.780	ug/L	93
13) Acetone	2.623	43	79674	72.218	ug/L	99
14) Carbon disulfide	2.797	76	202905	46.126	ug/L	99
15) Methyl Acetate	2.948	43	80598	42.805	ug/L	97
16) Methylene chloride	3.047	84	86020	48.744	ug/L	94
17) trans-1,2-Dichloroethene	3.356	96	79730	48.767	ug/L	98
18) Methyl tert-butyl Ether	3.366	73	284767	50.203	ug/L	99
19) 1,1-Dichloroethane	3.874	63	145610	48.648	ug/L	97
20) cis-1,2-Dichloroethene	4.668	96	90904	49.304	ug/L	96
22) 2-Butanone	4.700	43	112398	80.238	ug/L	98
23) Bromochloromethane	4.977	128	50724	49.579	ug/L	92
25) Chloroform	5.092	83	175622	50.268	ug/L	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.796	62	148130	49.425	ug/L	99
29) Cyclohexane	5.391	56	108820	45.485	ug/L	95
30) 1,1,1-Trichloroethane	5.317	97	172608	48.941	ug/L	99
31) Carbon tetrachloride	5.526	117	157291	48.936	ug/L	99
33) Benzene	5.777	78	323757	47.576	ug/L	100
34) Trichloroethene	6.542	95	93246	48.431	ug/L	98
35) Methylcyclohexane	6.764	83	125130	45.290	ug/L	99
37) 1,2-Dichloropropane	6.793	63	80155	47.106	ug/L	99
38) Bromodichloromethane	7.105	83	135115	49.078	ug/L	95
39) cis-1,3-Dichloropropene	7.610	75	130482	44.914	ug/L	98
40) 4-Methyl-2-pentanone	7.790	43	226102	87.073	ug/L	97
42) Toluene	7.970	91	369103	49.763	ug/L	98
44) trans-1,3-Dichloropropene	8.211	75	143126	46.715	ug/L	98
45) 1,1,2-Trichloroethane	8.401	97	88970	48.825	ug/L	98
46) Tetrachloroethene	8.555	164	78696	50.090	ug/L	98
48) 2-Hexanone	8.684	43	173462	77.965	ug/L	97
49) Dibromochloromethane	8.812	129	117720	50.249	ug/L	95
50) 1,2-Dibromoethane	8.925	107	102290	48.640	ug/L #	96
51) Chlorobenzene	9.449	112	251927	48.699	ug/L	98
52) Ethylbenzene	9.571	91	411419	48.537	ug/L	98
53) m,p-Xylene	9.693	106	163546	48.011	ug/L	95
54) o-Xylene	10.102	106	160862	49.293	ug/L	99
55) Styrene	10.115	104	284851	50.203	ug/L	97
57) 1,1,2,2-Tetrachloroethane	10.783	83	141863	45.046	ug/L	98
59) Bromoform	10.291	173	96402	49.404	ug/L	99
60) 1,2,3-Trichloropropane	10.822	75	129605	46.036	ug/L	98
61) Isopropylbenzene	10.484	105	431923	49.406	ug/L	100
62) 1,3,5-Trimethylbenzene	11.089	105	249473	50.195	ug/L	99
63) 1,2,4-Trimethylbenzene	11.468	105	391692	50.681	ug/L	100
64) 1,3-Dichlorobenzene	11.748	146	219178	48.616	ug/L	98
65) 1,4-Dichlorobenzene	11.838	146	222654	47.592	ug/L	98
67) 1,2-Dichlorobenzene	12.211	146	223401	48.718	ug/L	99
68) 1,2-Dibromo-3-chloropr...	12.999	75	48228	44.307	ug/L	95
69) 1,3,5-Trichlorobenzene	13.221	180	164994	45.916	ug/L	98
70) 1,2,4-trichlorobenzene	13.841	180	149772	46.083	ug/L	99
71) Naphthalene	14.085	128	449010	41.899	ug/L	99
72) 1,2,3-Trichlorobenzene	14.330	180	150610	46.156	ug/L	98

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

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