

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU051922\
 Data File : VU048640.D
 Acq On : 19 May 2022 19:14
 Operator : SY/MD
 Sample : VSTDCC050EC
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD050135

Quant Time: May 20 04:43:32 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM051622WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri May 20 04:37:51 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.250	114	247030	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.417	117	237389	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.812	152	145103	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.597	65	50978	33.692	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	67.380%
7) Chloroethane-d5	1.912	69	41804	36.879	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	73.760%
11) 1,1-Dichloroethene-d2	2.571	63	135283	39.535	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	79.080%
21) 2-Butanone-d5	4.620	46	126874	88.116	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	88.120%
24) Chloroform-d	5.063	84	166156	43.457	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	86.920%
26) 1,2-Dichloroethane-d4	5.703	65	115443	42.798	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	85.600%
32) Benzene-d6	5.729	84	281768	42.649	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	85.300%
36) 1,2-Dichloropropane-d6	6.690	67	84657	43.648	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	87.300%
41) Toluene-d8	7.899	98	273656	44.036	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	88.080%
43) trans-1,3-Dichloroprop...	8.179	79	52474	42.309	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	84.620%
47) 2-Hexanone-d5	8.632	63	95400	89.690	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	89.690%
56) 1,1,2,2-Tetrachloroeth...	10.754	84	140906	43.904	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	87.800%
66) 1,2-Dichlorobenzene-d4	12.192	152	127333	42.926	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	85.860%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.385	85	118553	44.658	ug/L	99
3) Chloromethane	1.523	50	64778	39.547	ug/L	100
5) Vinyl chloride	1.604	62	75628	43.403	ug/L	99
6) Bromomethane	1.851	94	57480	45.694	ug/L	99
8) Chloroethane	1.932	64	46198	45.045	ug/L	97
9) Trichlorofluoromethane	2.137	101	154966	45.557	ug/L	98
10) 1,1,2-Trichloro-1,2,2-...	2.581	101	82529	47.580	ug/L	96
12) 1,1-Dichloroethene	2.581	96	76193	47.406	ug/L	90
13) Acetone	2.626	43	86156	73.652	ug/L	99
14) Carbon disulfide	2.793	76	205690	44.100	ug/L	100
15) Methyl Acetate	2.948	43	86621	43.387	ug/L	96
16) Methylene chloride	3.047	84	86614	46.289	ug/L	96
17) trans-1,2-Dichloroethene	3.353	96	80231	46.282	ug/L	98
18) Methyl tert-butyl Ether	3.366	73	291613	48.486	ug/L	99
19) 1,1-Dichloroethane	3.870	63	150797	47.515	ug/L	98
20) cis-1,2-Dichloroethene	4.668	96	94479	48.328	ug/L	99
22) 2-Butanone	4.700	43	124109	83.559	ug/L	96
23) Bromochloromethane	4.976	128	51517	47.490	ug/L	94
25) Chloroform	5.089	83	176835	47.736	ug/L	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.793	62	153112	48.182	ug/L	99
29) Cyclohexane	5.391	56	116469	47.767	ug/L	99
30) 1,1,1-Trichloroethane	5.317	97	175547	48.839	ug/L	97
31) Carbon tetrachloride	5.526	117	155519	47.476	ug/L	98
33) Benzene	5.774	78	334940	48.294	ug/L	100
34) Trichloroethene	6.542	95	95173	48.503	ug/L	96
35) Methylcyclohexane	6.764	83	131857	46.828	ug/L	99
37) 1,2-Dichloropropane	6.790	63	82069	47.324	ug/L	99
38) Bromodichloromethane	7.105	83	135635	48.341	ug/L	97
39) cis-1,3-Dichloropropene	7.607	75	148495	50.153	ug/L	99
40) 4-Methyl-2-pentanone	7.790	43	244539	92.403	ug/L	99
42) Toluene	7.970	91	381073	50.411	ug/L	98
44) trans-1,3-Dichloropropene	8.211	75	154056	49.338	ug/L	98
45) 1,1,2-Trichloroethane	8.398	97	92441	49.777	ug/L	97
46) Tetrachloroethene	8.555	164	78989	49.332	ug/L	98
48) 2-Hexanone	8.684	43	199027	87.775	ug/L	99
49) Dibromochloromethane	8.809	129	120885	50.630	ug/L	99
50) 1,2-Dibromoethane	8.925	107	105067	49.022	ug/L	96
51) Chlorobenzene	9.446	112	260889	49.483	ug/L	98
52) Ethylbenzene	9.571	91	422544	48.913	ug/L	99
53) m,p-Xylene	9.693	106	170091	48.995	ug/L	98
54) o-Xylene	10.098	106	165674	49.814	ug/L	96
55) Styrene	10.114	104	288089	49.820	ug/L	98
57) 1,1,2,2-Tetrachloroethane	10.783	83	149948	46.719	ug/L	97
59) Bromoform	10.291	173	96266	48.264	ug/L	98
60) 1,2,3-Trichloropropane	10.822	75	133168	46.275	ug/L	97
61) Isopropylbenzene	10.484	105	447570	50.084	ug/L	99
62) 1,3,5-Trimethylbenzene	11.089	105	258101	50.803	ug/L	99
63) 1,2,4-Trimethylbenzene	11.468	105	405966	51.388	ug/L	100
64) 1,3-Dichlorobenzene	11.745	146	220744	47.900	ug/L	97
65) 1,4-Dichlorobenzene	11.835	146	226248	47.311	ug/L	99
67) 1,2-Dichlorobenzene	12.211	146	225881	48.190	ug/L	100
68) 1,2-Dibromo-3-chloropr...	12.995	75	51688	46.455	ug/L	99
69) 1,3,5-Trichlorobenzene	13.220	180	174789	47.586	ug/L	98
70) 1,2,4-trichlorobenzene	13.841	180	164025	49.373	ug/L	99
71) Naphthalene	14.085	128	554195	50.592	ug/L	99
72) 1,2,3-Trichlorobenzene	14.330	180	166618	49.954	ug/L	98

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

