

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU051322\
 Data File : VU048574.D
 Acq On : 13 May 2022 20:00
 Operator : SY/MD
 Sample : VSTDCCC050EC
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD050127

Quant Time: May 14 04:20:06 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM050622WMA.M
 Quant Title : VOC Analysis
 QLast Update : Sat May 14 04:14:40 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.250	114	271160	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.417	117	266771	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.812	152	156048	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.600	65	66976	28.680	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	57.360%#
7) Chloroethane-d5	1.909	69	54307	35.632	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	71.260%
11) 1,1-Dichloroethene-d2	2.568	63	165433	39.804	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	79.600%
21) 2-Butanone-d5	4.620	46	167331	84.136	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	84.140%
24) Chloroform-d	5.063	84	198675	48.980	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	97.960%
26) 1,2-Dichloroethane-d4	5.703	65	140570	53.313	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	106.620%
32) Benzene-d6	5.729	84	350708	43.262	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	86.520%
36) 1,2-Dichloropropane-d6	6.690	67	107900	40.816	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	81.640%
41) Toluene-d8	7.899	98	331085	46.179	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	92.360%
43) trans-1,3-Dichloroprop...	8.179	79	62587	51.438	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	102.880%
47) 2-Hexanone-d5	8.632	63	122084	95.415	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	95.420%
56) 1,1,2,2-Tetrachloroeth...	10.754	84	178812	44.406	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	88.820%
66) 1,2-Dichlorobenzene-d4	12.192	152	150087	48.572	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	97.140%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.385	85	116224	47.382	ug/L	98
3) Chloromethane	1.523	50	88644	31.595	ug/L	100
5) Vinyl chloride	1.604	62	93458	35.063	ug/L	98
6) Bromomethane	1.851	94	67104	50.909	ug/L	99
8) Chloroethane	1.932	64	57478	40.110	ug/L	100
9) Trichlorofluoromethane	2.137	101	180485	51.538	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.581	101	93621	46.586	ug/L	96
12) 1,1-Dichloroethene	2.581	96	86704	45.632	ug/L	90
13) Acetone	2.623	43	110745	73.860	ug/L	97
14) Carbon disulfide	2.793	76	232680	39.509	ug/L	99
15) Methyl Acetate	2.944	43	115708	37.669	ug/L	92
16) Methylene chloride	3.044	84	104478	44.965	ug/L	89
17) trans-1,2-Dichloroethene	3.353	96	95038	46.883	ug/L	93
18) Methyl tert-butyl Ether	3.362	73	344952	50.530	ug/L	96
19) 1,1-Dichloroethane	3.870	63	183067	43.797	ug/L	97
20) cis-1,2-Dichloroethene	4.668	96	110275	48.208	ug/L	93
22) 2-Butanone	4.697	43	164972	73.603	ug/L	93
23) Bromochloromethane	4.973	128	61439	50.965	ug/L #	78
25) Chloroform	5.089	83	208324	50.472	ug/L	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.793	62	180043	53.054	ug/L	98
29) Cyclohexane	5.391	56	140266	38.103	ug/L	86
30) 1,1,1-Trichloroethane	5.317	97	201114	54.285	ug/L	97
31) Carbon tetrachloride	5.526	117	178424	56.244	ug/L	98
33) Benzene	5.774	78	407188	44.331	ug/L	100
34) Trichloroethene	6.542	95	109556	48.523	ug/L	97
35) Methylcyclohexane	6.764	83	160470	44.546	ug/L	94
37) 1,2-Dichloropropane	6.790	63	101633	39.644	ug/L	99
38) Bromodichloromethane	7.105	83	159736	51.173	ug/L	99
39) cis-1,3-Dichloropropene	7.607	75	167547	45.949	ug/L	99
40) 4-Methyl-2-pentanone	7.790	43	310735	75.649	ug/L #	92
42) Toluene	7.970	91	452602	47.743	ug/L	99
44) trans-1,3-Dichloropropene	8.211	75	178214	50.293	ug/L	99
45) 1,1,2-Trichloroethane	8.401	97	110721	47.758	ug/L	96
46) Tetrachloroethene	8.555	164	90020	53.073	ug/L	97
48) 2-Hexanone	8.684	43	253408	74.233	ug/L #	96
49) Dibromochloromethane	8.809	129	134750	54.122	ug/L	98
50) 1,2-Dibromoethane	8.925	107	121939	49.757	ug/L	100
51) Chlorobenzene	9.446	112	298245	49.931	ug/L	98
52) Ethylbenzene	9.571	91	502891	50.924	ug/L	98
53) m,p-Xylene	9.693	106	199317	52.289	ug/L	99
54) o-Xylene	10.102	106	198292	51.706	ug/L	97
55) Styrene	10.115	104	339543	54.456	ug/L	99
57) 1,1,2,2-Tetrachloroethane	10.783	83	189385	43.585	ug/L #	99
59) Bromoform	10.291	173	108524	49.037	ug/L	99
60) 1,2,3-Trichloropropane	10.822	75	166289	40.823	ug/L	96
61) Isopropylbenzene	10.484	105	516197	47.207	ug/L	100
62) 1,3,5-Trimethylbenzene	11.089	105	303063	50.278	ug/L	100
63) 1,2,4-Trimethylbenzene	11.468	105	468735	52.215	ug/L	100
64) 1,3-Dichlorobenzene	11.745	146	258569	50.138	ug/L	99
65) 1,4-Dichlorobenzene	11.835	146	258848	50.062	ug/L	97
67) 1,2-Dichlorobenzene	12.211	146	259514	49.173	ug/L	100
68) 1,2-Dibromo-3-chloropr...	12.995	75	57972	48.557	ug/L	98
69) 1,3,5-Trichlorobenzene	13.220	180	197119	54.059	ug/L	99
70) 1,2,4-trichlorobenzene	13.841	180	179848	56.795	ug/L	99
71) Naphthalene	14.085	128	607739	49.837	ug/L	100
72) 1,2,3-Trichlorobenzene	14.330	180	180752	53.669	ug/L	99

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

