

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU010722\
 Data File : VU046693.D
 Acq On : 07 Jan 2022 11:32
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD050156

Quant Time: Jan 07 23:10:39 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM010522WMA.M
 Quant Title : VOC Analysis
 QLast Update : Thu Jan 06 02:54:34 2022
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : John Carlone 01/11/2022
 Supervised By : Mahesh Dadoda 01/11/2022

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

Internal Standards						
1) 1,4-Difluorobenzene	6.253	114	117600	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.420	117	117638	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.816	152	64531	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.604	65	46133	44.955	ug/L	0.00
Spiked Amount 50.000	Range 60	- 135	Recovery	=	89.900%	
7) Chloroethane-d5	1.919	69	36855	48.344	ug/L	0.00
Spiked Amount 50.000	Range 70	- 130	Recovery	=	96.680%	
11) 1,1-Dichloroethene-d2	2.575	63	80993	46.404	ug/L	0.00
Spiked Amount 50.000	Range 60	- 125	Recovery	=	92.800%	
21) 2-Butanone-d5	4.655	46	90331	120.269	ug/L	0.01
Spiked Amount 100.000	Range 40	- 130	Recovery	=	120.270%	
24) Chloroform-d	5.070	84	92997	51.406	ug/L	0.00
Spiked Amount 50.000	Range 70	- 125	Recovery	=	102.820%	
26) 1,2-Dichloroethane-d4	5.707	65	62230	54.239	ug/L	0.00
Spiked Amount 50.000	Range 70	- 125	Recovery	=	108.480%	
32) Benzene-d6	5.732	84	182080	49.597	ug/L	0.00
Spiked Amount 50.000	Range 70	- 125	Recovery	=	99.200%	
36) 1,2-Dichloropropane-d6	6.694	67	55714	49.738	ug/L	0.00
Spiked Amount 50.000	Range 70	- 120	Recovery	=	99.480%	
41) Toluene-d8	7.899	98	167830	51.137	ug/L	0.00
Spiked Amount 50.000	Range 80	- 120	Recovery	=	102.280%	
43) trans-1,3-Dichloroprop...	8.182	79	28281	52.406	ug/L	0.00
Spiked Amount 50.000	Range 60	- 125	Recovery	=	104.820%	
47) 2-Hexanone-d5	8.639	63	71185	119.622	ug/L	0.00
Spiked Amount 100.000	Range 45	- 130	Recovery	=	119.620%	
56) 1,1,2,2-Tetrachloroeth...	10.758	84	95679	55.151	ug/L	0.00
Spiked Amount 50.000	Range 65	- 120	Recovery	=	110.300%	
66) 1,2-Dichlorobenzene-d4	12.195	152	68765	51.498	ug/L	0.00
Spiked Amount 50.000	Range 80	- 120	Recovery	=	103.000%	
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.388	85	47055	43.434	ug/L	99
3) Chloromethane	1.523	50	42822	44.416	ug/L	99
5) Vinyl chloride	1.607	62	44565	44.597	ug/L	99
6) Bromomethane	1.864	94	28510	45.037	ug/L	100
8) Chloroethane	1.941	64	27632	45.686	ug/L	93
9) Trichlorofluoromethane	2.144	101	65920	44.818	ug/L	98
10) 1,1,2-Trichloro-1,2,2-...	2.588	101	38050	45.999	ug/L	99
12) 1,1-Dichloroethene	2.588	96	34156	43.851	ug/L	98
13) Acetone	2.674	43	71512m	100.047	ug/L	
14) Carbon disulfide	2.800	76	98807	42.675	ug/L	99
15) Methyl Acetate	2.964	43	46029	50.417	ug/L	99
16) Methylene chloride	3.054	84	41350	43.096	ug/L	100
17) trans-1,2-Dichloroethene	3.359	96	36739	45.115	ug/L	96
18) Methyl tert-butyl Ether	3.369	73	113811	47.039	ug/L	100
19) 1,1-Dichloroethane	3.877	63	67052	45.147	ug/L	98
20) cis-1,2-Dichloroethene	4.674	96	40979	46.953	ug/L	93
22) 2-Butanone	4.726	43	83676m	102.686	ug/L	
23) Bromochloromethane	4.983	128	22033	47.228	ug/L	96
25) Chloroform	5.092	83	75114	46.303	ug/L	98

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27) 1,2-Dichloroethane	5.800	62	59389	47.650	ug/L	100
29) Cyclohexane	5.395	56	52470	41.959	ug/L	95
30) 1,1,1-Trichloroethane	5.321	97	63874	44.387	ug/L	99
31) Carbon tetrachloride	5.530	117	55285	44.351	ug/L	99
33) Benzene	5.777	78	158544	45.310	ug/L	100
34) Trichloroethene	6.546	95	39717	43.275	ug/L	99
35) Methylcyclohexane	6.768	83	61798	43.360	ug/L	99
37) 1,2-Dichloropropane	6.793	63	40655	45.406	ug/L	100
38) Bromodichloromethane	7.108	83	55252	44.872	ug/L	98
39) cis-1,3-Dichloropropene	7.610	75	61574	44.691	ug/L	99
40) 4-Methyl-2-pentanone	7.796	43	119621	97.727	ug/L	99
42) Toluene	7.973	91	171301	46.419	ug/L	98
44) trans-1,3-Dichloropropene	8.214	75	62563	46.806	ug/L	96
45) 1,1,2-Trichloroethane	8.404	97	42977	46.977	ug/L	97
46) Tetrachloroethene	8.555	164	31547	45.304	ug/L	98
48) 2-Hexanone	8.690	43	106624	102.772	ug/L	99
49) Dibromochloromethane	8.812	129	45610	45.394	ug/L	99
50) 1,2-Dibromoethane	8.925	107	45025	47.216	ug/L	99
51) Chlorobenzene	9.449	112	110616	46.116	ug/L	99
52) Ethylbenzene	9.575	91	180638	46.140	ug/L	99
53) m,p-Xylene	9.697	106	72716	48.092	ug/L	98
54) o-xylene	10.102	106	69419	48.012	ug/L	100
55) Styrene	10.115	104	125473	49.590	ug/L	98
57) 1,1,2,2-Tetrachloroethane	10.783	83	77293	48.308	ug/L	98
59) Bromoform	10.295	173	35624	45.429	ug/L	99
60) 1,2,3-Trichloropropane	10.825	75	62957	46.362	ug/L	98
61) Isopropylbenzene	10.488	105	182824	46.380	ug/L	100
62) 1,3,5-Trimethylbenzene	11.092	105	150495	45.417	ug/L	99
63) 1,2,4-Trimethylbenzene	11.472	105	155185	47.002	ug/L	99
64) 1,3-Dichlorobenzene	11.748	146	91986	46.557	ug/L	98
65) 1,4-Dichlorobenzene	11.838	146	94846	46.071	ug/L	99
67) 1,2-Dichlorobenzene	12.214	146	90449	45.548	ug/L	98
68) 1,2-Dibromo-3-chloropr...	12.999	75	17857	43.929	ug/L	97
69) 1,3,5-Trichlorobenzene	13.221	180	69568	45.972	ug/L	98
70) 1,2,4-trichlorobenzene	13.841	180	58849	45.493	ug/L	100
71) Naphthalene	14.089	128	195399	46.444	ug/L	100
72) 1,2,3-Trichlorobenzene	14.330	180	61747	47.239	ug/L	99

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

