

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU051822\
 Data File : VU048606.D
 Acq On : 18 May 2022 10:23
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD050132

Quant Time: May 19 05:59:09 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM051622WMA.M
 Quant Title : VOC Analysis
 QLast Update : Wed May 18 05:17:36 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.253	114	226402	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.420	117	227446	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.812	152	139366	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.601	65	57529	41.486	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	82.980%
7) Chloroethane-d5	1.912	69	46181	44.452	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	88.900%
11) 1,1-Dichloroethene-d2	2.572	63	144497	46.075	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	92.160%
21) 2-Butanone-d5	4.620	46	113732	86.186	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	86.190%
24) Chloroform-d	5.067	84	169962	48.503	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	97.000%
26) 1,2-Dichloroethane-d4	5.703	65	120698	48.823	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	97.640%
32) Benzene-d6	5.729	84	287925	45.486	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	90.980%
36) 1,2-Dichloropropane-d6	6.694	67	82274	44.274	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	88.540%
41) Toluene-d8	7.899	98	276730	46.478	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	92.960%
43) trans-1,3-Dichloroprop...	8.182	79	42827	36.041	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	72.080%
47) 2-Hexanone-d5	8.632	63	83246	81.685	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	81.680%
56) 1,1,2,2-Tetrachloroeth...	10.758	84	138380	45.002	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	90.000%
66) 1,2-Dichlorobenzene-d4	12.195	152	127878	44.885	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	89.760%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.385	85	117849	48.437	ug/L	98
3) Chloromethane	1.523	50	69509	46.302	ug/L	95
5) Vinyl chloride	1.607	62	74485	46.642	ug/L	100
6) Bromomethane	1.855	94	52664	45.680	ug/L	99
8) Chloroethane	1.932	64	44703	47.559	ug/L	100
9) Trichlorofluoromethane	2.141	101	158395	50.808	ug/L	98
10) 1,1,2-Trichloro-1,2,2-...	2.584	101	78711	49.513	ug/L	97
12) 1,1-Dichloroethene	2.581	96	72322	49.097	ug/L	96
13) Acetone	2.623	43	85939	80.160	ug/L	99
14) Carbon disulfide	2.797	76	201567	47.153	ug/L	99
15) Methyl Acetate	2.948	43	84816	46.354	ug/L	98
16) Methylene chloride	3.047	84	83619	48.760	ug/L	97
17) trans-1,2-Dichloroethene	3.356	96	77359	48.692	ug/L	94
18) Methyl tert-butyl Ether	3.362	73	275294	49.943	ug/L	99
19) 1,1-Dichloroethane	3.870	63	143410	49.304	ug/L	98
20) cis-1,2-Dichloroethene	4.668	96	87965	49.096	ug/L	96
22) 2-Butanone	4.697	43	117332	86.194	ug/L	99
23) Bromochloromethane	4.977	128	49373	49.660	ug/L	93
25) Chloroform	5.089	83	176023	51.846	ug/L	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.796	62	153084	52.562	ug/L	99
29) Cyclohexane	5.391	56	104428	44.701	ug/L	94
30) 1,1,1-Trichloroethane	5.317	97	173534	50.389	ug/L	98
31) Carbon tetrachloride	5.526	117	159293	50.753	ug/L	98
33) Benzene	5.777	78	320095	48.171	ug/L	100
34) Trichloroethene	6.542	95	90803	48.299	ug/L	99
35) Methylcyclohexane	6.764	83	123730	45.863	ug/L	99
37) 1,2-Dichloropropane	6.793	63	79318	47.738	ug/L	99
38) Bromodichloromethane	7.108	83	135764	50.502	ug/L	97
39) cis-1,3-Dichloropropene	7.610	75	116518	41.074	ug/L	99
40) 4-Methyl-2-pentanone	7.790	43	226531	89.341	ug/L	98
42) Toluene	7.970	91	359737	49.669	ug/L	97
44) trans-1,3-Dichloropropene	8.211	75	124439	41.595	ug/L	98
45) 1,1,2-Trichloroethane	8.401	97	86498	48.613	ug/L	96
46) Tetrachloroethene	8.555	164	76345	49.765	ug/L	98
48) 2-Hexanone	8.684	43	175283	80.683	ug/L	98
49) Dibromochloromethane	8.812	129	116420	50.891	ug/L	98
50) 1,2-Dibromoethane	8.925	107	101306	49.333	ug/L	96
51) Chlorobenzene	9.449	112	248716	49.237	ug/L	98
52) Ethylbenzene	9.571	91	405135	48.948	ug/L	99
53) m,p-Xylene	9.697	106	164974	49.598	ug/L	99
54) o-Xylene	10.102	106	158634	49.782	ug/L	98
55) Styrene	10.115	104	279078	50.371	ug/L	97
57) 1,1,2,2-Tetrachloroethane	10.783	83	141031	45.861	ug/L	95
59) Bromoform	10.291	173	95590	49.897	ug/L	99
60) 1,2,3-Trichloropropane	10.825	75	128314	46.424	ug/L	97
61) Isopropylbenzene	10.484	105	424171	49.420	ug/L	100
62) 1,3,5-Trimethylbenzene	11.089	105	243620	49.927	ug/L	98
63) 1,2,4-Trimethylbenzene	11.468	105	382481	50.408	ug/L	100
64) 1,3-Dichlorobenzene	11.748	146	216746	48.969	ug/L	98
65) 1,4-Dichlorobenzene	11.838	146	220729	48.057	ug/L	98
67) 1,2-Dichlorobenzene	12.214	146	219240	48.698	ug/L	99
68) 1,2-Dibromo-3-chloropr...	12.999	75	48921	45.778	ug/L	97
69) 1,3,5-Trichlorobenzene	13.221	180	161589	45.803	ug/L	98
70) 1,2,4-trichlorobenzene	13.841	180	143652	45.021	ug/L	100
71) Naphthalene	14.089	128	418089	39.738	ug/L	99
72) 1,2,3-Trichlorobenzene	14.330	180	141209	44.079	ug/L	97

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

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