

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU041123\
 Data File : VU053627.D
 Acq On : 11 Apr 2023 11:25
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD050193

Quant Time: Apr 12 02:19:25 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM033123WMA.M
 Quant Title : VOC Analysis
 QLast Update : Tue Apr 11 02:19:45 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.244	114	244260	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.414	117	230711	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.809	152	124877	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.597	65	78438	41.241	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	82.480%
7) Chloroethane-d5	1.909	69	69012	47.060	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	94.120%
11) 1,1-Dichloroethene-d2	2.565	63	130950	44.478	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	88.960%
21) 2-Butanone-d5	4.613	46	93272	108.314	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	108.310%
24) Chloroform-d	5.060	84	144354	45.892	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	91.780%
26) 1,2-Dichloroethane-d4	5.697	65	88072	47.384	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	94.760%
32) Benzene-d6	5.723	84	280992	45.121	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	90.240%
36) 1,2-Dichloropropane-d6	6.684	67	88519	46.504	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	93.000%
41) Toluene-d8	7.893	98	265573	42.906	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	85.820%
43) trans-1,3-Dichloroprop...	8.176	79	41481	42.217	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	84.440%
47) 2-Hexanone-d5	8.626	63	70013	107.774	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	107.770%
56) 1,1,2,2-Tetrachloroeth...	10.751	84	130380	48.598	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	97.200%
66) 1,2-Dichlorobenzene-d4	12.189	152	109102	41.856	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	83.720%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.382	85	105002	52.964	ug/L	98
3) Chloromethane	1.520	50	97377	59.775	ug/L	97
5) Vinyl chloride	1.604	62	116374	61.640	ug/L	99
6) Bromomethane	1.851	94	73367	53.408	ug/L	100
8) Chloroethane	1.932	64	71853	63.279	ug/L	99
9) Trichlorofluoromethane	2.138	101	167856	57.805	ug/L	98
10) 1,1,2-Trichloro-1,2,2-...	2.578	101	93360	55.514	ug/L	92
12) 1,1-Dichloroethene	2.578	96	79878	53.295	ug/L	93
13) Acetone	2.617	43	69607	89.944	ug/L	97
14) Carbon disulfide	2.790	76	210807	53.171	ug/L	98
15) Methyl Acetate	2.941	43	75513	63.704	ug/L	96
16) Methylene chloride	3.041	84	97563	57.914	ug/L	98
17) trans-1,2-Dichloroethene	3.350	96	81166	53.885	ug/L	95
18) Methyl tert-butyl Ether	3.356	73	253088	57.644	ug/L	99
19) 1,1-Dichloroethane	3.864	63	150996	60.515	ug/L	99
20) cis-1,2-Dichloroethene	4.662	96	95496	54.888	ug/L	94
22) 2-Butanone	4.694	43	104011	110.937	ug/L	96
23) Bromochloromethane	4.967	128	50450	52.057	ug/L	91
25) Chloroform	5.083	83	165206	57.726	ug/L	97

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.787	62	124898	59.592	ug/L	99
29) Cyclohexane	5.385	56	125729	56.608	ug/L	97
30) 1,1,1-Trichloroethane	5.311	97	142444	56.033	ug/L	97
31) Carbon tetrachloride	5.520	117	125787	55.227	ug/L	100
33) Benzene	5.771	78	345687	57.509	ug/L	100
34) Trichloroethene	6.539	95	100198	55.113	ug/L	95
35) Methylcyclohexane	6.761	83	148072	55.408	ug/L	98
37) 1,2-Dichloropropane	6.787	63	91115	59.697	ug/L	98
38) Bromodichloromethane	7.099	83	118774	58.333	ug/L	98
39) cis-1,3-Dichloropropene	7.604	75	140598	56.370	ug/L	98
40) 4-Methyl-2-pentanone	7.784	43	201780	121.656	ug/L	98
42) Toluene	7.964	91	379510	55.712	ug/L	99
44) trans-1,3-Dichloropropene	8.205	75	131891	55.936	ug/L	97
45) 1,1,2-Trichloroethane	8.395	97	97487	58.175	ug/L	98
46) Tetrachloroethene	8.549	164	73942	49.011	ug/L	95
48) 2-Hexanone	8.678	43	153277	114.242	ug/L	99
49) Dibromochloromethane	8.803	129	93360	53.580	ug/L	99
50) 1,2-Dibromoethane	8.919	107	103268	55.081	ug/L	98
51) Chlorobenzene	9.443	112	256771	54.708	ug/L	97
52) Ethylbenzene	9.565	91	421781	55.621	ug/L	99
53) m,p-Xylene	9.690	106	167181	56.371	ug/L	96
54) o-Xylene	10.095	106	163823	55.870	ug/L	100
55) Styrene	10.112	104	273266	57.217	ug/L	98
57) 1,1,2,2-Tetrachloroethane	10.777	83	144343	58.666	ug/L	98
59) Bromoform	10.285	173	65382	51.152	ug/L	100
60) 1,2,3-Trichloropropane	10.819	75	117515	64.901	ug/L	97
61) Isopropylbenzene	10.481	105	428558	58.046	ug/L	99
62) 1,3,5-Trimethylbenzene	11.086	105	358986	58.491	ug/L	99
63) 1,2,4-Trimethylbenzene	11.465	105	356710	58.681	ug/L	98
64) 1,3-Dichlorobenzene	11.742	146	201998	52.360	ug/L	96
65) 1,4-Dichlorobenzene	11.832	146	212131	53.952	ug/L	98
67) 1,2-Dichlorobenzene	12.208	146	202008	52.539	ug/L	97
68) 1,2-Dibromo-3-chloropr...	12.992	75	30000	62.150	ug/L	89
69) 1,3,5-Trichlorobenzene	13.214	180	134619	47.122	ug/L	98
70) 1,2,4-trichlorobenzene	13.835	180	123894	46.776	ug/L	98
71) Naphthalene	14.082	128	402322	50.748	ug/L	100
72) 1,2,3-Trichlorobenzene	14.324	180	126390	47.775	ug/L	98

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

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