

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU041023\
 Data File : VU053625.D
 Acq On : 10 Apr 2023 20:23
 Operator : JC/MD
 Sample : VSTDCC050EC
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD050192

Quant Time: Apr 11 02:24:52 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	6.243	114	262667	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.414	117	243885	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.806	152	134968	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.597	65	85115	41.615	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	83.240%
7) Chloroethane-d5	1.909	69	71269	45.194	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	90.380%
11) 1,1-Dichloroethene-d2	2.565	63	140312	44.318	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	88.640%
21) 2-Butanone-d5	4.610	46	102647	110.848	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	110.850%
24) Chloroform-d	5.057	84	156287	46.204	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	92.400%
26) 1,2-Dichloroethane-d4	5.697	65	95441	47.750	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	95.500%
32) Benzene-d6	5.722	84	306138	46.503	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	93.000%
36) 1,2-Dichloropropane-d6	6.684	67	95709	47.565	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	95.140%
41) Toluene-d8	7.893	98	290477	44.395	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	88.780%
43) trans-1,3-Dichloroprop...	8.176	79	46981	45.232	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	90.460%
47) 2-Hexanone-d5	8.626	63	80814	117.680	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	117.680%
56) 1,1,2,2-Tetrachloroeth...	10.751	84	143358	50.549	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	101.100%
66) 1,2-Dichlorobenzene-d4	12.188	152	120460	42.758	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	85.520%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.382	85	100177	46.989	ug/L	99
3) Chloromethane	1.520	50	95997	54.799	ug/L	98
5) Vinyl chloride	1.604	62	112404	55.365	ug/L	98
6) Bromomethane	1.848	94	69772	47.232	ug/L	100
8) Chloroethane	1.928	64	68541	56.132	ug/L	98
9) Trichlorofluoromethane	2.134	101	162617	52.076	ug/L	98
10) 1,1,2-Trichloro-1,2,2-...	2.578	101	85893	47.494	ug/L	94
12) 1,1-Dichloroethene	2.578	96	78520	48.717	ug/L	94
13) Acetone	2.616	43	70168	84.315	ug/L	97
14) Carbon disulfide	2.790	76	204691	48.010	ug/L	97
15) Methyl Acetate	2.938	43	74290	58.280	ug/L	94
16) Methylene chloride	3.041	84	94732	52.292	ug/L	98
17) trans-1,2-Dichloroethene	3.350	96	81213	50.138	ug/L	96
18) Methyl tert-butyl Ether	3.356	73	256423	54.311	ug/L	99
19) 1,1-Dichloroethane	3.864	63	149453	55.700	ug/L	97
20) cis-1,2-Dichloroethene	4.661	96	93999	50.241	ug/L	94
22) 2-Butanone	4.690	43	101902	101.071	ug/L	95
23) Bromochloromethane	4.970	128	50227	48.195	ug/L	94
25) Chloroform	5.079	83	164114	53.326	ug/L	96

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.787	62	121981	54.122	ug/L	98
29) Cyclohexane	5.385	56	122435	52.148	ug/L	99
30) 1,1,1-Trichloroethane	5.311	97	142591	53.061	ug/L	97
31) Carbon tetrachloride	5.520	117	121032	50.269	ug/L	100
33) Benzene	5.767	78	352710	55.508	ug/L	100
34) Trichloroethene	6.536	95	94277	49.055	ug/L	96
35) Methylcyclohexane	6.758	83	142374	50.398	ug/L	99
37) 1,2-Dichloropropane	6.784	63	90920	56.351	ug/L	98
38) Bromodichloromethane	7.099	83	115234	53.537	ug/L	99
39) cis-1,3-Dichloropropene	7.600	75	146335	55.501	ug/L	98
40) 4-Methyl-2-pentanone	7.783	43	204558	116.668	ug/L	98
42) Toluene	7.964	91	371603	51.605	ug/L	99
44) trans-1,3-Dichloropropene	8.205	75	137406	55.128	ug/L	100
45) 1,1,2-Trichloroethane	8.394	97	94711	53.465	ug/L	98
46) Tetrachloroethene	8.549	164	71712	44.966	ug/L	95
48) 2-Hexanone	8.677	43	159227	112.266	ug/L	98
49) Dibromochloromethane	8.803	129	91435	49.640	ug/L	96
50) 1,2-Dibromoethane	8.918	107	103046	51.994	ug/L	99
51) Chlorobenzene	9.443	112	260323	52.469	ug/L	95
52) Ethylbenzene	9.565	91	409877	51.132	ug/L	99
53) m,p-Xylene	9.690	106	159420	50.850	ug/L	99
54) o-Xylene	10.095	106	158450	51.119	ug/L	95
55) Styrene	10.111	104	263871	52.265	ug/L	97
57) 1,1,2,2-Tetrachloroethane	10.777	83	152814	58.754	ug/L	97
59) Bromoform	10.285	173	64284	46.533	ug/L	99
60) 1,2,3-Trichloropropane	10.819	75	114704	58.612	ug/L	98
61) Isopropylbenzene	10.481	105	414675	51.966	ug/L	98
62) 1,3,5-Trimethylbenzene	11.082	105	345563	52.094	ug/L	99
63) 1,2,4-Trimethylbenzene	11.462	105	344597	52.450	ug/L	98
64) 1,3-Dichlorobenzene	11.742	146	196575	47.145	ug/L	98
65) 1,4-Dichlorobenzene	11.832	146	206641	48.626	ug/L	96
67) 1,2-Dichlorobenzene	12.208	146	202448	48.717	ug/L	98
68) 1,2-Dibromo-3-chloropr...	12.989	75	31521	60.419	ug/L #	81
69) 1,3,5-Trichlorobenzene	13.214	180	131458	42.575	ug/L	99
70) 1,2,4-trichlorobenzene	13.835	180	121342	42.387	ug/L	98
71) Naphthalene	14.082	128	408591	47.685	ug/L	99
72) 1,2,3-Trichlorobenzene	14.323	180	120774	42.239	ug/L	99

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

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