

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU040623\
 Data File : VU053590.D
 Acq On : 06 Apr 2023 15:28
 Operator : JC/MD
 Sample : VSTDCCC050EC
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD050188

Quant Time: Apr 07 03:46:10 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM033123WMA.M
 Quant Title : VOC Analysis
 QLast Update : Sat Apr 01 04:51:17 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.247	114	249148	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.414	117	238698	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.809	152	131442	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.597	65	84825	43.724	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	87.440%
7) Chloroethane-d5	1.909	69	76543	51.172	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	102.340%
11) 1,1-Dichloroethene-d2	2.565	63	130853	43.573	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	87.140%
21) 2-Butanone-d5	4.613	46	103979	118.379	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	118.380%
24) Chloroform-d	5.057	84	164127	51.155	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	102.300%
26) 1,2-Dichloroethane-d4	5.697	65	103759	54.729	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	109.460%
32) Benzene-d6	5.723	84	323705	50.240	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	100.480%
36) 1,2-Dichloropropane-d6	6.687	67	101561	51.570	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	103.140%
41) Toluene-d8	7.896	98	305270	47.669	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	95.340%
43) trans-1,3-Dichloroprop...	8.176	79	51561	50.721	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	101.440%
47) 2-Hexanone-d5	8.626	63	78261	116.439	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	116.440%
56) 1,1,2,2-Tetrachloroeth...	10.755	84	147599	53.175	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	106.360%
66) 1,2-Dichlorobenzene-d4	12.189	152	130192	47.452	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	94.900%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.382	85	70292	34.760	ug/L	99
3) Chloromethane	1.520	50	86188	51.869	ug/L	99
5) Vinyl chloride	1.604	62	90109	46.792	ug/L	99
6) Bromomethane	1.851	94	66538	47.486	ug/L	97
8) Chloroethane	1.932	64	60547	52.276	ug/L	97
9) Trichlorofluoromethane	2.134	101	117274	39.593	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.578	101	64452	37.572	ug/L	91
12) 1,1-Dichloroethene	2.578	96	63922	41.812	ug/L	99
13) Acetone	2.617	43	68135	86.315	ug/L	99
14) Carbon disulfide	2.790	76	179661	44.426	ug/L	97
15) Methyl Acetate	2.941	43	67642	55.944	ug/L	95
16) Methylene chloride	3.041	84	86967	50.611	ug/L	100
17) trans-1,2-Dichloroethene	3.350	96	73567	47.882	ug/L	97
18) Methyl tert-butyl Ether	3.356	73	242752	54.205	ug/L	99
19) 1,1-Dichloroethane	3.864	63	135204	53.123	ug/L	99
20) cis-1,2-Dichloroethene	4.662	96	87904	49.533	ug/L	86
22) 2-Butanone	4.694	43	99253	103.786	ug/L	94
23) Bromochloromethane	4.970	128	48624	49.189	ug/L	94
25) Chloroform	5.083	83	151595	51.931	ug/L	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.790	62	113878	53.268	ug/L	98
29) Cyclohexane	5.385	56	88636	38.572	ug/L	99
30) 1,1,1-Trichloroethane	5.311	97	117432	44.648	ug/L	98
31) Carbon tetrachloride	5.520	117	98451	41.779	ug/L	97
33) Benzene	5.771	78	311310	50.057	ug/L	100
34) Trichloroethene	6.539	95	85758	45.592	ug/L	96
35) Methylcyclohexane	6.761	83	104882	37.933	ug/L	99
37) 1,2-Dichloropropane	6.787	63	83272	52.733	ug/L	98
38) Bromodichloromethane	7.102	83	107158	50.867	ug/L	99
39) cis-1,3-Dichloropropene	7.604	75	138482	53.664	ug/L	99
40) 4-Methyl-2-pentanone	7.787	43	191447	111.563	ug/L	99
42) Toluene	7.967	91	335142	47.553	ug/L	99
44) trans-1,3-Dichloropropene	8.208	75	128359	52.617	ug/L	96
45) 1,1,2-Trichloroethane	8.398	97	90113	51.975	ug/L	98
46) Tetrachloroethene	8.552	164	62103	39.787	ug/L	94
48) 2-Hexanone	8.681	43	147676	106.385	ug/L	98
49) Dibromochloromethane	8.806	129	88592	49.142	ug/L	97
50) 1,2-Dibromoethane	8.922	107	97908	50.475	ug/L	98
51) Chlorobenzene	9.446	112	228611	47.079	ug/L	97
52) Ethylbenzene	9.568	91	366844	46.758	ug/L	99
53) m,p-Xylene	9.690	106	142443	46.423	ug/L	98
54) o-xylene	10.099	106	145490	47.958	ug/L	98
55) Styrene	10.111	104	247167	50.020	ug/L	100
57) 1,1,2,2-Tetrachloroethane	10.777	83	135991	53.422	ug/L	97
59) Bromoform	10.288	173	62038	46.112	ug/L	99
60) 1,2,3-Trichloropropane	10.819	75	108394	56.874	ug/L	98
61) Isopropylbenzene	10.481	105	358866	46.179	ug/L	99
62) 1,3,5-Trimethylbenzene	11.086	105	313308	48.499	ug/L	98
63) 1,2,4-Trimethylbenzene	11.465	105	314196	49.106	ug/L	97
64) 1,3-Dichlorobenzene	11.745	146	184743	45.496	ug/L	99
65) 1,4-Dichlorobenzene	11.835	146	188689	45.593	ug/L	97
67) 1,2-Dichlorobenzene	12.211	146	185180	45.757	ug/L	98
68) 1,2-Dibromo-3-chloropr...	12.996	75	27915	54.942	ug/L	90
69) 1,3,5-Trichlorobenzene	13.217	180	126357	42.021	ug/L	98
70) 1,2,4-trichlorobenzene	13.838	180	117016	41.972	ug/L	98
71) Naphthalene	14.082	128	388311	46.534	ug/L	99
72) 1,2,3-Trichlorobenzene	14.327	180	117197	42.087	ug/L	99

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

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