

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\U093022\
 Data File : U051050.D
 Acq On : 30 Sep 2022 21:36
 Operator : JC/MD
 Sample : N4859-20MS
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 E10042MS

Quant Time: Oct 01 01:29:45 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM092922WMA.M
 Quant Title : VOC Analysis
 QLast Update : Sat Oct 01 01:23:58 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.247	114	443488	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.417	117	438529	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.809	152	216006	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.597	65	146092	32.504	ug/L	0.00
Spiked Amount 50.000	Range 60 - 135		Recovery =	65.000%		
7) Chloroethane-d5	1.903	69	138502	33.174	ug/L	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery =	66.340%#		
11) 1,1-Dichloroethene-d2	2.568	63	264455	39.833	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	79.660%		
21) 2-Butanone-d5	4.623	46	293090	100.543	ug/L	0.00
Spiked Amount 100.000	Range 40 - 130		Recovery =	100.540%		
24) Chloroform-d	5.063	84	315542	43.576	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	87.160%		
26) 1,2-Dichloroethane-d4	5.700	65	198625	44.315	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	88.640%		
32) Benzene-d6	5.726	84	611279	47.601	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	95.200%		
36) 1,2-Dichloropropane-d6	6.690	67	208518	50.040	ug/L	0.00
Spiked Amount 50.000	Range 70 - 120		Recovery =	100.080%		
41) Toluene-d8	7.896	98	551488	46.481	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	92.960%		
43) trans-1,3-Dichloroprop...	8.179	79	93689	47.138	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	94.280%		
47) 2-Hexanone-d5	8.632	63	170096	101.092	ug/L	0.00
Spiked Amount 100.000	Range 45 - 130		Recovery =	101.090%		
56) 1,1,2,2-Tetrachloroeth...	10.755	84	335787	46.107	ug/L	0.00
Spiked Amount 50.000	Range 65 - 120		Recovery =	92.220%		
66) 1,2-Dichlorobenzene-d4	12.192	152	203632	44.129	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	88.260%		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.385	85	168276	45.249	ug/L	99
3) Chloromethane	1.520	50	222384	50.613	ug/L	97
5) Vinyl chloride	1.604	62	217449	46.632	ug/L	98
6) Bromomethane	1.851	94	123852	32.064	ug/L	94
8) Chloroethane	1.925	64	139155	40.639	ug/L	99
9) Trichlorofluoromethane	2.134	101	253715	40.464	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.578	101	150993	44.598	ug/L	98
12) 1,1-Dichloroethene	2.578	96	147753	46.719	ug/L	88
13) Acetone	2.629	43	219632	94.352	ug/L	96
14) Carbon disulfide	2.790	76	442482	47.331	ug/L	99
15) Methyl Acetate	2.948	43	214322	50.430	ug/L	95
16) Methylene chloride	3.041	84	200084	44.071	ug/L	99
17) trans-1,2-Dichloroethene	3.350	96	164115	48.777	ug/L	98
18) Methyl tert-butyl Ether	3.359	73	538831	52.698	ug/L	99
19) 1,1-Dichloroethane	3.867	63	330350	51.689	ug/L	99
20) cis-1,2-Dichloroethene	4.665	96	189562	50.460	ug/L	95
22) 2-Butanone	4.700	43	345321	107.370	ug/L	98
23) Bromochloromethane	4.973	128	100011	48.588	ug/L	94
25) Chloroform	5.086	83	349147	50.224	ug/L	97

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.793	62	274447	51.537	ug/L	98
29) Cyclohexane	5.388	56	238250	55.797	ug/L	97
30) 1,1,1-Trichloroethane	5.314	97	267018	51.919	ug/L	99
31) Carbon tetrachloride	5.523	117	210102	50.070	ug/L	98
33) Benzene	5.771	78	762755	57.052	ug/L	100
34) Trichloroethene	6.539	95	182457	52.691	ug/L	95
35) Methylcyclohexane	6.761	83	243853	51.740	ug/L	97
37) 1,2-Dichloropropane	6.790	63	207947	57.759	ug/L	99
38) Bromodichloromethane	7.105	83	259953	54.104	ug/L	100
39) cis-1,3-Dichloropropene	7.607	75	285522	55.999	ug/L	99
40) 4-Methyl-2-pentanone	7.790	43	642452	123.220	ug/L	98
42) Toluene	7.967	91	786750	55.325	ug/L	100
44) trans-1,3-Dichloropropene	8.208	75	281045	54.515	ug/L	96
45) 1,1,2-Trichloroethane	8.398	97	205005	52.569	ug/L	99
46) Tetrachloroethene	8.552	164	121247	46.203	ug/L	98
48) 2-Hexanone	8.684	43	553399	116.856	ug/L	99
49) Dibromochloromethane	8.806	129	199062	48.551	ug/L	97
50) 1,2-Dibromoethane	8.922	107	214259	50.675	ug/L	97
51) Chlorobenzene	9.446	112	474222	49.037	ug/L	100
52) Ethylbenzene	9.568	91	785923	51.813	ug/L	100
53) m,p-Xylene	9.690	106	298578	52.345	ug/L	94
54) o-Xylene	10.099	106	299869	52.596	ug/L	99
55) Styrene	10.111	104	525943	53.374	ug/L	97
57) 1,1,2,2-Tetrachloroethane	10.780	83	355599	51.523	ug/L	99
59) Bromoform	10.288	173	149007	46.884	ug/L	99
60) 1,2,3-Trichloropropane	10.822	75	290217	51.055	ug/L	99
61) Isopropylbenzene	10.481	105	761528	54.271	ug/L	99
62) 1,3,5-Trimethylbenzene	11.086	105	631793	55.063	ug/L	99
63) 1,2,4-Trimethylbenzene	11.465	105	636536	55.351	ug/L	100
64) 1,3-Dichlorobenzene	11.742	146	343473	47.482	ug/L	98
65) 1,4-Dichlorobenzene	11.835	146	346621	47.935	ug/L	99
67) 1,2-Dichlorobenzene	12.211	146	368457	49.576	ug/L	99
68) 1,2-Dibromo-3-chloropr...	12.992	75	84251	50.790	ug/L	98
69) 1,3,5-Trichlorobenzene	13.217	180	233048	47.508	ug/L	99
70) 1,2,4-trichlorobenzene	13.838	180	196490	48.956	ug/L	99
71) Naphthalene	14.082	128	793320	55.225	ug/L	99
72) 1,2,3-Trichlorobenzene	14.327	180	226721	50.623	ug/L	98

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

