

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU102023\
 Data File : VU055843.D
 Acq On : 20 Oct 2023 19:28
 Operator : MD/SY
 Sample : 04947-02MS
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 E45J0MS

Quant Time: Oct 23 01:10:19 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM101023WMA.M
 Quant Title : VOC Analysis
 QLast Update : Mon Oct 23 01:04:15 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.242	114	506490	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.412	117	509302	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.807	152	290492	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.599	65	159410	35.089	ug/L	0.00
Spiked Amount 50.000	Range 60 - 135		Recovery =	70.180%		
7) Chloroethane-d5	1.888	69	144928	39.027	ug/L	-0.02
Spiked Amount 50.000	Range 70 - 130		Recovery =	78.060%		
11) 1,1-Dichloroethene-d2	2.560	63	325553	40.189	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	80.380%		
21) 2-Butanone-d5	4.612	46	260141	77.278	ug/L	0.00
Spiked Amount 100.000	Range 40 - 130		Recovery =	77.280%		
24) Chloroform-d	5.055	84	370501	42.541	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	85.080%		
26) 1,2-Dichloroethane-d4	5.695	65	233260	43.512	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	87.020%		
32) Benzene-d6	5.721	84	706093	43.331	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	86.660%		
36) 1,2-Dichloropropane-d6	6.682	67	223865	43.395	ug/L	0.00
Spiked Amount 50.000	Range 70 - 120		Recovery =	86.780%		
41) Toluene-d8	7.894	98	630437	42.846	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	85.700%		
43) trans-1,3-Dichloroprop...	8.174	79	103816	41.893	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	83.780%		
47) 2-Hexanone-d5	8.631	63	147730	72.843	ug/L	0.00
Spiked Amount 100.000	Range 45 - 130		Recovery =	72.840%		
56) 1,1,2,2-Tetrachloroeth...	10.753	84	389722	49.080	ug/L	0.00
Spiked Amount 50.000	Range 65 - 120		Recovery =	98.160%		
66) 1,2-Dichlorobenzene-d4	12.190	152	277782	48.187	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	96.380%		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.380	85	183928	43.613	ug/L	98
3) Chloromethane	1.518	50	204397	51.221	ug/L	99
5) Vinyl chloride	1.602	62	220012	50.099	ug/L	98
6) Bromomethane	1.830	94	81928	29.183	ug/L	99
8) Chloroethane	1.911	64	140047	48.618	ug/L	99
9) Trichlorofluoromethane	2.126	101	300399	47.877	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.573	101	179765	44.550	ug/L	99
12) 1,1-Dichloroethene	2.573	96	174090	48.483	ug/L	87
13) Acetone	2.618	43	191503	61.303	ug/L	97
14) Carbon disulfide	2.785	76	479782	43.907	ug/L	98
15) Methyl Acetate	2.940	43	202688	42.367	ug/L	96
16) Methylene chloride	3.036	84	217454	49.938	ug/L	93
17) trans-1,2-Dichloroethene	3.345	96	182322	49.656	ug/L	94
18) Methyl tert-butyl Ether	3.354	73	640032	54.202	ug/L	99
19) 1,1-Dichloroethane	3.859	63	374357	49.717	ug/L	98
20) cis-1,2-Dichloroethene	4.660	96	218673	52.183	ug/L	97
22) 2-Butanone	4.695	43	304987	81.000	ug/L	99
23) Bromochloromethane	4.965	128	110409	50.874	ug/L	97
25) Chloroform	5.081	83	390621	49.660	ug/L	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.785	62	315581	50.163	ug/L	100
29) Cyclohexane	5.380	56	277051	47.459	ug/L	99
30) 1,1,1-Trichloroethane	5.309	97	327214	49.729	ug/L	99
31) Carbon tetrachloride	5.518	117	280551	48.711	ug/L	98
33) Benzene	5.766	78	818924	50.867	ug/L	100
34) Trichloroethene	6.538	95	220157	49.978	ug/L	98
35) Methylcyclohexane	6.756	83	287694	45.013	ug/L	99
37) 1,2-Dichloropropane	6.785	63	226609	51.116	ug/L	100
38) Bromodichloromethane	7.100	83	290395	49.672	ug/L	98
39) cis-1,3-Dichloropropene	7.602	75	351603	52.132	ug/L	99
40) 4-Methyl-2-pentanone	7.788	43	635715	103.077	ug/L	97
42) Toluene	7.965	91	871110	51.278	ug/L	99
44) trans-1,3-Dichloropropene	8.206	75	329145	51.005	ug/L	100
45) 1,1,2-Trichloroethane	8.396	97	227307	51.999	ug/L	98
46) Tetrachloroethene	8.550	164	152004	48.195	ug/L	99
48) 2-Hexanone	8.682	43	518120	99.459	ug/L	94
49) Dibromochloromethane	8.804	129	228914	51.251	ug/L	99
50) 1,2-Dibromoethane	8.917	107	236754	50.424	ug/L	98
51) Chlorobenzene	9.444	112	561312	51.069	ug/L	99
52) Ethylbenzene	9.566	91	962551	51.827	ug/L	100
53) m,p-Xylene	9.692	106	371865	53.444	ug/L	97
54) o-Xylene	10.097	106	375127	55.713	ug/L	100
55) Styrene	10.110	104	651279	57.098	ug/L	97
57) 1,1,2,2-Tetrachloroethane	10.779	83	412915	55.165	ug/L	98
59) Bromoform	10.287	173	187806	52.518	ug/L	96
60) 1,2,3-Trichloropropane	10.820	75	328631	52.126	ug/L	98
61) Isopropylbenzene	10.480	105	964791	53.275	ug/L	99
62) 1,3,5-Trimethylbenzene	11.084	105	813803	55.536	ug/L	99
63) 1,2,4-Trimethylbenzene	11.463	105	765772	52.849	ug/L	100
64) 1,3-Dichlorobenzene	11.743	146	469072	52.397	ug/L	99
65) 1,4-Dichlorobenzene	11.833	146	464942	50.514	ug/L	99
67) 1,2-Dichlorobenzene	12.209	146	475183	53.487	ug/L	97
68) 1,2-Dibromo-3-chloropr...	12.994	75	80439	42.677	ug/L	97
69) 1,3,5-Trichlorobenzene	13.216	180	278478	46.635	ug/L	100
70) 1,2,4-trichlorobenzene	13.836	180	222164	44.666	ug/L	98
71) Naphthalene	14.084	128	666083	45.081	ug/L	100
72) 1,2,3-Trichlorobenzene	14.325	180	223609	45.598	ug/L	97

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

