

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU010824\
 Data File : VU057427.D
 Acq On : 09 Jan 2024 09:35
 Operator : MD/SY
 Sample : P1058-02MS
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 55 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 YCH89MS

Quant Time: Jan 09 11:36:36 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM010824WMA.M
 Quant Title : VOC Analysis
 QLast Update : Tue Jan 09 06:09:25 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.242	114	261488	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.415	117	259108	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.807	152	127002	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.599	65	76232	42.357	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	84.720%
7) Chloroethane-d5	1.914	69	60655	43.551	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	87.100%
11) 1,1-Dichloroethene-d2	2.563	63	173190	45.401	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	90.800%
21) 2-Butanone-d5	4.634	46	90637	103.932	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	103.930%
24) Chloroform-d	5.055	84	194875	45.789	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	91.580%
26) 1,2-Dichloroethane-d4	5.695	65	131146	46.645	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	93.300%
32) Benzene-d6	5.721	84	332084	47.745	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	95.500%
36) 1,2-Dichloropropane-d6	6.682	67	93412	47.584	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	95.160%
41) Toluene-d8	7.891	98	318119	48.807	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	97.620%
43) trans-1,3-Dichloroprop...	8.174	79	54474	46.490	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	92.980%
47) 2-Hexanone-d5	8.643	63	69560	108.393	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	108.390%
56) 1,1,2,2-Tetrachloroeth...	10.753	84	139287	47.479	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	94.960%
66) 1,2-Dichlorobenzene-d4	12.190	152	121056	48.735	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	97.460%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.383	85	145698	48.841	ug/L	100
3) Chloromethane	1.518	50	90357	48.271	ug/L	98
5) Vinyl chloride	1.605	62	99220	49.513	ug/L	99
6) Bromomethane	1.859	94	61258	46.185	ug/L	98
8) Chloroethane	1.933	64	54638	46.613	ug/L	91
9) Trichlorofluoromethane	2.129	101	202807	48.504	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.573	101	97218	48.415	ug/L	97
12) 1,1-Dichloroethene	2.573	96	89289	50.394	ug/L	90
13) Acetone	2.647	43	244039	229.793	ug/L	97
14) Carbon disulfide	2.785	76	261572	47.664	ug/L	99
15) Methyl Acetate	2.949	43	92787	66.974	ug/L	# 78
16) Methylene chloride	3.039	84	98399	48.845	ug/L	97
17) trans-1,2-Dichloroethene	3.345	96	88963	49.080	ug/L	92
18) Methyl tert-butyl Ether	3.354	73	310854	53.577	ug/L	99
19) 1,1-Dichloroethane	3.859	63	174583	52.025	ug/L	99
20) cis-1,2-Dichloroethene	4.660	96	101977	52.594	ug/L	99
22) 2-Butanone	4.711	43	121383	115.999	ug/L	97
23) Bromochloromethane	4.965	128	54339	48.821	ug/L	96
25) Chloroform	5.078	83	198986	48.860	ug/L	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.785	62	168438	49.100	ug/L	100
29) Cyclohexane	5.380	56	129838	52.964	ug/L	98
30) 1,1,1-Trichloroethane	5.306	97	196627	49.322	ug/L	100
31) Carbon tetrachloride	5.515	117	172141	48.685	ug/L	100
33) Benzene	5.766	78	373274	51.262	ug/L	100
34) Trichloroethene	6.534	95	104426	49.120	ug/L	98
35) Methylcyclohexane	6.756	83	144630	50.004	ug/L	98
37) 1,2-Dichloropropane	6.782	63	89678	49.907	ug/L #	93
38) Bromodichloromethane	7.097	83	150544	49.456	ug/L	99
39) cis-1,3-Dichloropropene	7.602	75	150142	47.717	ug/L	99
40) 4-Methyl-2-pentanone	7.804	43	206314	112.686	ug/L	98
42) Toluene	7.965	91	411482	52.552	ug/L	100
44) trans-1,3-Dichloropropene	8.206	75	159842	50.600	ug/L	98
45) 1,1,2-Trichloroethane	8.396	97	102404	51.794	ug/L	98
46) Tetrachloroethene	8.547	164	77739	48.341	ug/L	97
48) 2-Hexanone	8.695	43	154713	105.033	ug/L	98
49) Dibromochloromethane	8.804	129	118427	49.150	ug/L	100
50) 1,2-Dibromoethane	8.920	107	109922	52.413	ug/L	97
51) Chlorobenzene	9.444	112	266090	50.576	ug/L	99
52) Ethylbenzene	9.566	91	459363	52.684	ug/L	99
53) m,p-Xylene	9.688	106	169890	52.124	ug/L	97
54) o-Xylene	10.097	106	166411	52.280	ug/L	100
55) Styrene	10.113	104	283337	52.566	ug/L	100
57) 1,1,2,2-Tetrachloroethane	10.778	83	149024	49.987	ug/L	98
59) Bromoform	10.290	173	93456	50.750	ug/L #	98
60) 1,2,3-Trichloropropane	10.820	75	125834	52.309	ug/L	99
61) Isopropylbenzene	10.479	105	454227	54.613	ug/L	100
62) 1,3,5-Trimethylbenzene	11.084	105	391349	55.019	ug/L	100
63) 1,2,4-Trimethylbenzene	11.463	105	385754	55.245	ug/L	99
64) 1,3-Dichlorobenzene	11.743	146	199498	50.896	ug/L	98
65) 1,4-Dichlorobenzene	11.833	146	197035	48.970	ug/L	97
67) 1,2-Dichlorobenzene	12.206	146	199102	50.395	ug/L	97
68) 1,2-Dibromo-3-chloropr...	12.990	75	32869	51.171	ug/L	95
69) 1,3,5-Trichlorobenzene	13.212	180	139261	49.633	ug/L	99
70) 1,2,4-trichlorobenzene	13.836	180	107026	50.101	ug/L	98
71) Naphthalene	14.080	128	252577	50.602	ug/L	99
72) 1,2,3-Trichlorobenzene	14.325	180	102504	50.740	ug/L	99

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

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