

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU053124\
 Data File : VU059116.D
 Acq On : 31 May 2024 16:48
 Operator : MD/SY
 Sample : VSTDCCC050EC
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD050171

Quant Time: Jun 01 01:46:22 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM052924WMA.M
 Quant Title : VOC Analysis
 QLast Update : Sat Jun 01 01:17:21 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.242	114	204673	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.412	117	205714	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.804	152	106787	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.595	65	52727	43.026	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	86.060%
7) Chloroethane-d5	1.907	69	46519	44.314	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	88.620%
11) 1,1-Dichloroethene-d2	2.567	63	116106	47.999	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	96.000%
21) 2-Butanone-d5	4.611	46	118641	102.713	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	102.710%
24) Chloroform-d	5.052	84	121563	49.830	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	99.660%
26) 1,2-Dichloroethane-d4	5.692	65	71176	47.602	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	95.200%
32) Benzene-d6	5.721	84	220236	46.646	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	93.300%
36) 1,2-Dichloropropane-d6	6.682	67	74712	45.893	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	91.780%
41) Toluene-d8	7.891	98	189774	47.348	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	94.700%
43) trans-1,3-Dichloroprop...	8.174	79	32551	49.466	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	98.940%
47) 2-Hexanone-d5	8.624	63	70974	94.279	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	94.280%
56) 1,1,2,2-Tetrachloroeth...	10.749	84	125602	45.588	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	91.180%
66) 1,2-Dichlorobenzene-d4	12.187	152	69864	43.840	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	87.680%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.380	85	114336	55.134	ug/L	99
3) Chloromethane	1.518	50	129938	54.214	ug/L	100
5) Vinyl chloride	1.602	62	130933	55.596	ug/L	100
6) Bromomethane	1.849	94	77719	41.249	ug/L	98
8) Chloroethane	1.927	64	80770	54.997	ug/L	100
9) Trichlorofluoromethane	2.132	101	150542	54.931	ug/L	100
10) 1,1,2-Trichloro-1,2,2-...	2.576	101	89610	56.199	ug/L	97
12) 1,1-Dichloroethene	2.573	96	83189	57.522	ug/L	95
13) Acetone	2.611	43	137301	101.128	ug/L	100
14) Carbon disulfide	2.788	76	264659	54.338	ug/L	99
15) Methyl Acetate	2.936	43	116623	54.228	ug/L	99
16) Methylene chloride	3.036	84	108360	55.375	ug/L	93
17) trans-1,2-Dichloroethene	3.345	96	87373	55.975	ug/L	97
18) Methyl tert-butyl Ether	3.351	73	273422	53.925	ug/L	99
19) 1,1-Dichloroethane	3.859	63	183302	54.785	ug/L	96
20) cis-1,2-Dichloroethene	4.656	96	97882	55.029	ug/L	97
22) 2-Butanone	4.689	43	175911	107.019	ug/L	100
23) Bromochloromethane	4.965	128	48913	54.288	ug/L	95
25) Chloroform	5.078	83	181301	55.962	ug/L	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.785	62	146790	53.635	ug/L	99
29) Cyclohexane	5.380	56	146710	53.419	ug/L	100
30) 1,1,1-Trichloroethane	5.306	97	143467	53.639	ug/L	100
31) Carbon tetrachloride	5.518	117	118707	54.639	ug/L	99
33) Benzene	5.766	78	405427	54.579	ug/L	100
34) Trichloroethene	6.534	95	100616	55.318	ug/L	98
35) Methylcyclohexane	6.756	83	152975	57.202	ug/L	99
37) 1,2-Dichloropropane	6.782	63	113286	53.708	ug/L	100
38) Bromodichloromethane	7.097	83	133629	54.387	ug/L	99
39) cis-1,3-Dichloropropene	7.598	75	160347	54.943	ug/L	97
40) 4-Methyl-2-pentanone	7.782	43	301938	109.188	ug/L	100
42) Toluene	7.962	91	428160	57.423	ug/L	99
44) trans-1,3-Dichloropropene	8.203	75	148110	56.058	ug/L	99
45) 1,1,2-Trichloroethane	8.389	97	105222	55.483	ug/L	99
46) Tetrachloroethene	8.547	164	67294	55.545	ug/L	97
48) 2-Hexanone	8.676	43	249232	106.864	ug/L	98
49) Dibromochloromethane	8.801	129	96377	56.232	ug/L	99
50) 1,2-Dibromoethane	8.917	107	108065	55.240	ug/L	98
51) Chlorobenzene	9.441	112	250587	55.683	ug/L	99
52) Ethylbenzene	9.563	91	440272	57.275	ug/L	100
53) m,p-Xylene	9.688	106	163082	57.725	ug/L	99
54) o-Xylene	10.094	106	159555	58.275	ug/L	98
55) Styrene	10.106	104	278473	59.836	ug/L	97
57) 1,1,2,2-Tetrachloroethane	10.775	83	179356	51.916	ug/L	99
59) Bromoform	10.283	173	72566	51.828	ug/L	100
60) 1,2,3-Trichloropropane	10.814	75	143930	48.468	ug/L	99
61) Isopropylbenzene	10.476	105	418618	55.721	ug/L	100
62) 1,3,5-Trimethylbenzene	11.081	105	301526	55.394	ug/L	99
63) 1,2,4-Trimethylbenzene	11.463	105	332270	56.310	ug/L	99
64) 1,3-Dichlorobenzene	11.740	146	188727	53.748	ug/L	99
65) 1,4-Dichlorobenzene	11.830	146	191999	52.946	ug/L	98
67) 1,2-Dichlorobenzene	12.206	146	188599	51.390	ug/L	97
68) 1,2-Dibromo-3-chloropr...	12.987	75	38301	50.875	ug/L	93
69) 1,3,5-Trichlorobenzene	13.212	180	124183	53.551	ug/L	99
70) 1,2,4-trichlorobenzene	13.836	180	101514	54.809	ug/L	100
71) Naphthalene	14.081	128	292495	49.892	ug/L	99
72) 1,2,3-Trichlorobenzene	14.322	180	106035	56.312	ug/L	100

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

