

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU010824\
 Data File : VU057381.D
 Acq On : 08 Jan 2024 13:53
 Operator : MD/SY
 Sample : VSTDICV050
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VICV046

Quant Time: Jan 09 00:38:35 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM010824WMA.M
 Quant Title : VOC Analysis
 QLast Update : Tue Jan 09 00:32:21 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.245	114	278153	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.415	117	272606	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.810	152	137905	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.599	65	87884	45.906	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	91.820%
7) Chloroethane-d5	1.914	69	71255	48.096	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	96.200%
11) 1,1-Dichloroethene-d2	2.563	63	183418	45.202	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	90.400%
21) 2-Butanone-d5	4.637	46	109086	117.593	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	117.590%
24) Chloroform-d	5.055	84	219310	48.443	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	96.880%
26) 1,2-Dichloroethane-d4	5.695	65	148058	49.506	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	99.020%
32) Benzene-d6	5.721	84	368509	50.359	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	100.720%
36) 1,2-Dichloropropane-d6	6.685	67	103817	50.266	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	100.540%
41) Toluene-d8	7.894	98	345675	50.409	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	100.820%
43) trans-1,3-Dichloroprop...	8.174	79	66464	53.914	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	107.820%
47) 2-Hexanone-d5	8.643	63	83196	123.222	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	123.220%
56) 1,1,2,2-Tetrachloroeth...	10.756	84	161020	52.170	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	104.340%
66) 1,2-Dichlorobenzene-d4	12.190	152	133912	49.648	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	99.300%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.383	85	140217	44.187	ug/L	99
3) Chloromethane	1.518	50	91864	46.136	ug/L	98
5) Vinyl chloride	1.605	62	94346	44.260	ug/L	99
6) Bromomethane	1.859	94	67647	47.947	ug/L	99
8) Chloroethane	1.936	64	58354	46.801	ug/L	97
9) Trichlorofluoromethane	2.136	101	193882	43.592	ug/L	98
10) 1,1,2-Trichloro-1,2,2-...	2.573	101	97151	45.483	ug/L	97
12) 1,1-Dichloroethene	2.573	96	85848	45.549	ug/L	94
13) Acetone	2.657	43	113268	100.266	ug/L	73
14) Carbon disulfide	2.788	76	275354	47.169	ug/L	99
15) Methyl Acetate	2.952	43	81078	55.016	ug/L	96
16) Methylene chloride	3.042	84	102772	47.959	ug/L	96
17) trans-1,2-Dichloroethene	3.348	96	90211	46.787	ug/L	98
18) Methyl tert-butyl Ether	3.357	73	327833	53.118	ug/L	99
19) 1,1-Dichloroethane	3.859	63	172916	48.441	ug/L	98
20) cis-1,2-Dichloroethene	4.660	96	104069	50.457	ug/L	96
22) 2-Butanone	4.714	43	119119	107.015	ug/L	93
23) Bromochloromethane	4.968	128	58034	49.017	ug/L	97
25) Chloroform	5.081	83	205293	47.389	ug/L	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.788	62	175374	48.059	ug/L	98
29) Cyclohexane	5.383	56	127740	49.528	ug/L	100
30) 1,1,1-Trichloroethane	5.309	97	194081	46.273	ug/L	99
31) Carbon tetrachloride	5.518	117	167730	45.088	ug/L	98
33) Benzene	5.769	78	376746	49.177	ug/L	100
34) Trichloroethene	6.537	95	108409	48.469	ug/L	97
35) Methylcyclohexane	6.759	83	150603	49.491	ug/L	98
37) 1,2-Dichloropropane	6.785	63	93299	49.352	ug/L	99
38) Bromodichloromethane	7.100	83	158030	49.345	ug/L	99
39) cis-1,3-Dichloropropene	7.602	75	169022	51.057	ug/L	99
40) 4-Methyl-2-pentanone	7.795	43	223583	116.071	ug/L	98
42) Toluene	7.965	91	410976	49.888	ug/L	99
44) trans-1,3-Dichloropropene	8.206	75	173938	52.336	ug/L	97
45) 1,1,2-Trichloroethane	8.396	97	104234	50.109	ug/L	98
46) Tetrachloroethene	8.547	164	79150	46.781	ug/L	98
48) 2-Hexanone	8.692	43	181131	116.879	ug/L	98
49) Dibromochloromethane	8.804	129	124084	48.948	ug/L	97
50) 1,2-Dibromoethane	8.920	107	116389	52.749	ug/L	100
51) Chlorobenzene	9.444	112	269998	48.778	ug/L	98
52) Ethylbenzene	9.566	91	459851	50.129	ug/L	100
53) m,p-Xylene	9.692	106	174280	50.823	ug/L	98
54) o-Xylene	10.097	106	169130	50.504	ug/L	96
55) Styrene	10.113	104	294505	51.933	ug/L	100
57) 1,1,2,2-Tetrachloroethane	10.778	83	160808	51.269	ug/L	98
59) Bromoform	10.290	173	101273	50.647	ug/L	98
60) 1,2,3-Trichloropropane	10.820	75	137036	52.461	ug/L	99
61) Isopropylbenzene	10.479	105	464515	51.434	ug/L	99
62) 1,3,5-Trimethylbenzene	11.084	105	397751	51.498	ug/L	100
63) 1,2,4-Trimethylbenzene	11.463	105	405483	53.480	ug/L	100
64) 1,3-Dichlorobenzene	11.743	146	219125	51.484	ug/L	99
65) 1,4-Dichlorobenzene	11.833	146	216746	49.610	ug/L	99
67) 1,2-Dichlorobenzene	12.209	146	217682	50.742	ug/L	99
68) 1,2-Dibromo-3-chloropr...	12.991	75	37639	53.964	ug/L	94
69) 1,3,5-Trichlorobenzene	13.216	180	160770	52.769	ug/L	98
70) 1,2,4-trichlorobenzene	13.836	180	140608	60.618	ug/L	99
71) Naphthalene	14.081	128	391167	72.172	ug/L	99
72) 1,2,3-Trichlorobenzene	14.325	180	137837	62.836	ug/L	98

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

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