

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU010824\
 Data File : VU057382.D
 Acq On : 08 Jan 2024 14:21
 Operator : MD/SY
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD050128

Quant Time: Jan 09 00:39:10 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	265954	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.412	117	254433	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.807	152	129037	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.599	65	82398	45.015	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	90.020%
7) Chloroethane-d5	1.914	69	66274	46.786	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	93.580%
11) 1,1-Dichloroethene-d2	2.567	63	174242	44.910	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	89.820%
21) 2-Butanone-d5	4.631	46	105105	118.499	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	118.500%
24) Chloroform-d	5.055	84	210386	48.603	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	97.200%
26) 1,2-Dichloroethane-d4	5.695	65	142529	49.843	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	99.680%
32) Benzene-d6	5.721	84	355670	52.076	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	104.160%
36) 1,2-Dichloropropane-d6	6.685	67	102344	53.092	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	106.180%
41) Toluene-d8	7.894	98	331456	51.788	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	103.580%
43) trans-1,3-Dichloroprop...	8.174	79	64182	55.782	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	111.560%
47) 2-Hexanone-d5	8.631	63	76338	121.140	ug/L	-0.02
Spiked Amount	100.000	Range	45 - 130	Recovery	=	121.140%
56) 1,1,2,2-Tetrachloroeth...	10.750	84	154698	53.701	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	107.400%
66) 1,2-Dichlorobenzene-d4	12.187	152	126614	50.168	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	100.340%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.383	85	130630	43.054	ug/L	98
3) Chloromethane	1.518	50	86898	45.643	ug/L	100
5) Vinyl chloride	1.605	62	92926	45.593	ug/L	99
6) Bromomethane	1.859	94	66409	49.228	ug/L	100
8) Chloroethane	1.933	64	55137	46.249	ug/L	92
9) Trichlorofluoromethane	2.136	101	180945	42.549	ug/L	98
10) 1,1,2-Trichloro-1,2,2-...	2.576	101	90446	44.286	ug/L	97
12) 1,1-Dichloroethene	2.576	96	82443	45.749	ug/L	94
13) Acetone	2.650	43	107690	99.701	ug/L	99
14) Carbon disulfide	2.788	76	256542	45.962	ug/L	99
15) Methyl Acetate	2.952	43	77909	55.291	ug/L	99
16) Methylene chloride	3.042	84	99029	48.332	ug/L	98
17) trans-1,2-Dichloroethene	3.348	96	86625	46.988	ug/L	96
18) Methyl tert-butyl Ether	3.354	73	316467	53.629	ug/L	99
19) 1,1-Dichloroethane	3.862	63	165657	48.537	ug/L	98
20) cis-1,2-Dichloroethene	4.660	96	99361	50.384	ug/L	98
22) 2-Butanone	4.708	43	121484	114.146	ug/L	98
23) Bromochloromethane	4.968	128	55948	49.422	ug/L	97
25) Chloroform	5.081	83	197807	47.755	ug/L	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.785	62	172768	49.516	ug/L	99
29) Cyclohexane	5.383	56	118928	49.405	ug/L	100
30) 1,1,1-Trichloroethane	5.309	97	185762	47.453	ug/L	99
31) Carbon tetrachloride	5.518	117	159934	46.063	ug/L	98
33) Benzene	5.769	78	364966	51.042	ug/L	100
34) Trichloroethene	6.538	95	102929	49.306	ug/L	99
35) Methylcyclohexane	6.759	83	143611	50.564	ug/L	100
37) 1,2-Dichloropropane	6.785	63	87932	49.835	ug/L	98
38) Bromodichloromethane	7.100	83	154325	51.630	ug/L	100
39) cis-1,3-Dichloropropene	7.602	75	164898	53.369	ug/L	99
40) 4-Methyl-2-pentanone	7.785	43	214777	119.464	ug/L	98
42) Toluene	7.965	91	390809	50.829	ug/L	100
44) trans-1,3-Dichloropropene	8.206	75	167611	54.034	ug/L	98
45) 1,1,2-Trichloroethane	8.393	97	101512	52.286	ug/L	96
46) Tetrachloroethene	8.547	164	75196	47.618	ug/L	97
48) 2-Hexanone	8.682	43	177354	122.616	ug/L	98
49) Dibromochloromethane	8.804	129	119892	50.673	ug/L	99
50) 1,2-Dibromoethane	8.917	107	110736	53.771	ug/L	96
51) Chlorobenzene	9.441	112	248740	48.147	ug/L	99
52) Ethylbenzene	9.566	91	429333	50.145	ug/L	99
53) m,p-Xylene	9.689	106	161127	50.344	ug/L	98
54) o-Xylene	10.094	106	158928	50.847	ug/L	99
55) Styrene	10.110	104	272917	51.563	ug/L	96
57) 1,1,2,2-Tetrachloroethane	10.775	83	155684	53.181	ug/L	97
59) Bromoform	10.287	173	94267	50.383	ug/L	97
60) 1,2,3-Trichloropropane	10.817	75	131305	53.722	ug/L	100
61) Isopropylbenzene	10.479	105	424671	50.254	ug/L	99
62) 1,3,5-Trimethylbenzene	11.084	105	371422	51.394	ug/L	100
63) 1,2,4-Trimethylbenzene	11.463	105	373365	52.628	ug/L	100
64) 1,3-Dichlorobenzene	11.740	146	203741	51.159	ug/L	98
65) 1,4-Dichlorobenzene	11.830	146	204068	49.918	ug/L	98
67) 1,2-Dichlorobenzene	12.206	146	201570	50.216	ug/L	99
68) 1,2-Dibromo-3-chloropr...	12.991	75	37202	57.003	ug/L	97
69) 1,3,5-Trichlorobenzene	13.213	180	145696	51.108	ug/L	99
70) 1,2,4-trichlorobenzene	13.836	180	127128	58.573	ug/L	99
71) Naphthalene	14.081	128	345000	68.029	ug/L	99
72) 1,2,3-Trichlorobenzene	14.325	180	121829	59.355	ug/L	98

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

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