

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU022324\
 Data File : VU057939.D
 Acq On : 23 Feb 2024 09:32
 Operator : MD/SY
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD050152

Quant Time: Feb 23 22:57:20 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM021924WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Feb 23 00:03:12 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.242	114	272979	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.412	117	265338	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.807	152	127731	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.595	65	82944	41.969	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	83.940%
7) Chloroethane-d5	1.907	69	68039	46.579	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	93.160%
11) 1,1-Dichloroethene-d2	2.563	63	170496	46.291	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	92.580%
21) 2-Butanone-d5	4.611	46	90156	120.064	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	120.060%
24) Chloroform-d	5.052	84	167914	50.106	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	100.220%
26) 1,2-Dichloroethane-d4	5.692	65	104198	49.601	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	99.200%
32) Benzene-d6	5.718	84	319638	48.069	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	96.140%
36) 1,2-Dichloropropane-d6	6.682	67	106655	49.673	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	99.340%
41) Toluene-d8	7.891	98	284837	47.321	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	94.640%
43) trans-1,3-Dichloroprop...	8.174	79	47578	46.532	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	93.060%
47) 2-Hexanone-d5	8.627	63	66911	81.061	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	81.060%
56) 1,1,2,2-Tetrachloroeth...	10.749	84	136522	46.078	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	92.160%
66) 1,2-Dichlorobenzene-d4	12.187	152	99116	47.923	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	95.840%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.377	85	134350	44.894	ug/L	100
3) Chloromethane	1.518	50	135401	44.499	ug/L	98
5) Vinyl chloride	1.599	62	137541	45.775	ug/L	98
6) Bromomethane	1.849	94	76575	65.272	ug/L	99
8) Chloroethane	1.927	64	81530	46.397	ug/L	97
9) Trichlorofluoromethane	2.132	101	173770	47.263	ug/L	100
10) 1,1,2-Trichloro-1,2,2-...	2.576	101	102343	47.894	ug/L	100
12) 1,1-Dichloroethene	2.573	96	95376	48.255	ug/L	97
13) Acetone	2.612	43	99588	71.630	ug/L	100
14) Carbon disulfide	2.785	76	308979	47.768	ug/L	99
15) Methyl Acetate	2.936	43	109501	48.378	ug/L	99
16) Methylene chloride	3.036	84	115929	45.002	ug/L	99
17) trans-1,2-Dichloroethene	3.345	96	99244	48.399	ug/L	98
18) Methyl tert-butyl Ether	3.348	73	333937	46.776	ug/L	99
19) 1,1-Dichloroethane	3.859	63	203346	47.831	ug/L	98
20) cis-1,2-Dichloroethene	4.656	96	112456	47.806	ug/L	98
22) 2-Butanone	4.685	43	134096	79.610	ug/L	99
23) Bromochloromethane	4.965	128	55459	48.524	ug/L	99
25) Chloroform	5.078	83	203355	48.446	ug/L	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.785	62	165515	47.389	ug/L	99
29) Cyclohexane	5.380	56	183430	46.972	ug/L	99
30) 1,1,1-Trichloroethane	5.306	97	169963	47.533	ug/L	99
31) Carbon tetrachloride	5.518	117	149789	48.782	ug/L	99
33) Benzene	5.766	78	440817	47.632	ug/L	100
34) Trichloroethene	6.534	95	117127	49.235	ug/L	99
35) Methylcyclohexane	6.756	83	180036	46.580	ug/L	99
37) 1,2-Dichloropropane	6.782	63	121326	46.461	ug/L	100
38) Bromodichloromethane	7.097	83	152874	48.751	ug/L	98
39) cis-1,3-Dichloropropene	7.602	75	181206	45.407	ug/L	100
40) 4-Methyl-2-pentanone	7.782	43	288392	87.734	ug/L	100
42) Toluene	7.962	91	461983	48.234	ug/L	100
44) trans-1,3-Dichloropropene	8.203	75	166476	44.952	ug/L	100
45) 1,1,2-Trichloroethane	8.393	97	107783	46.453	ug/L	99
46) Tetrachloroethene	8.547	164	79881	48.792	ug/L	97
48) 2-Hexanone	8.676	43	206794	77.075	ug/L	99
49) Dibromochloromethane	8.804	129	110488	47.815	ug/L	99
50) 1,2-Dibromoethane	8.917	107	114990	47.068	ug/L	97
51) Chlorobenzene	9.441	112	284644	46.736	ug/L	99
52) Ethylbenzene	9.563	91	512075	47.681	ug/L	99
53) m,p-Xylene	9.688	106	186640	47.787	ug/L	99
54) o-Xylene	10.094	106	182605	47.319	ug/L	97
55) Styrene	10.110	104	311931	47.137	ug/L	98
57) 1,1,2,2-Tetrachloroethane	10.775	83	168580	42.650	ug/L	99
59) Bromoform	10.283	173	77197	49.234	ug/L #	100
60) 1,2,3-Trichloropropane	10.817	75	134289	45.379	ug/L	99
61) Isopropylbenzene	10.479	105	496536	49.743	ug/L	100
62) 1,3,5-Trimethylbenzene	11.084	105	410726	47.758	ug/L	100
63) 1,2,4-Trimethylbenzene	11.463	105	413369	47.835	ug/L	99
64) 1,3-Dichlorobenzene	11.740	146	209784	47.531	ug/L	99
65) 1,4-Dichlorobenzene	11.830	146	213931	47.581	ug/L	99
67) 1,2-Dichlorobenzene	12.206	146	201250	46.348	ug/L	99
68) 1,2-Dibromo-3-chloropr...	12.991	75	31728	45.157	ug/L	92
69) 1,3,5-Trichlorobenzene	13.216	180	142590	48.034	ug/L	98
70) 1,2,4-trichlorobenzene	13.836	180	119982	50.200	ug/L	100
71) Naphthalene	14.084	128	294532	46.405	ug/L	99
72) 1,2,3-Trichlorobenzene	14.325	180	107185	48.825	ug/L	98

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

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