

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU052424\
 Data File : VU058947.D
 Acq On : 23 May 2024 13:39
 Operator : MD/SY
 Sample : VSTD20069
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD200069

Quant Time: May 24 06:37:28 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM052324WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri May 24 06:34:37 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.242	114	200144	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.412	117	203287	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.804	152	115348	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.596	65	409455	242.026	ug/L	0.00
7) Chloroethane-d5	1.904	69	370692	278.751	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.563	63	638776	214.642	ug/L	0.00
21) 2-Butanone-d5	4.612	46	616808	610.893	ug/L	0.00
24) Chloroform-d	5.052	84	706603	236.786	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.692	65	431545	229.761	ug/L	0.00
32) Benzene-d6	5.721	84	1449426	229.082	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.682	67	466875	233.062	ug/L	0.00
41) Toluene-d8	7.891	98	1339325	234.417	ug/L	0.00
43) trans-1,3-Dichloroprop...	8.171	79	222706	231.644	ug/L	0.00
47) 2-Hexanone-d5	8.624	63	462614	558.623	ug/L	0.00
56) 1,1,2,2-Tetrachloroeth...	10.750	84	708192	262.613	ug/L	0.00
66) 1,2-Dichlorobenzene-d4	12.187	152	495673	221.209	ug/L	0.00
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.380	85	247345	149.297	ug/L	99
3) Chloromethane	1.515	50	257780	162.651	ug/L	99
5) Vinyl chloride	1.602	62	303250	179.019	ug/L	99
6) Bromomethane	1.853	94	199436	194.286	ug/L	96
8) Chloroethane	1.927	64	216495	209.427	ug/L	100
9) Trichlorofluoromethane	2.133	101	425386	179.421	ug/L	100
10) 1,1,2-Trichloro-1,2,2-...	2.576	101	284515	198.958	ug/L	99
12) 1,1-Dichloroethene	2.573	96	231252	180.807	ug/L	90
13) Acetone	2.625	43	430040	381.204	ug/L	99
14) Carbon disulfide	2.789	76	430537	117.546	ug/L	100
15) Methyl Acetate	2.940	43	403198	256.561	ug/L	100
16) Methylene chloride	3.036	84	314802	204.790	ug/L	98
17) trans-1,2-Dichloroethene	3.345	96	238427	183.461	ug/L	100
18) Methyl tert-butyl Ether	3.351	73	1026494	219.312	ug/L	98
19) 1,1-Dichloroethane	3.859	63	599257	219.022	ug/L	99
20) cis-1,2-Dichloroethene	4.657	96	329294	212.828	ug/L	97
22) 2-Butanone	4.692	43	646159	503.652	ug/L	98
23) Bromochloromethane	4.965	128	159216	207.822	ug/L	99
25) Chloroform	5.078	83	624794	221.649	ug/L	98
27) 1,2-Dichloroethane	5.785	62	476454	206.801	ug/L	100
29) Cyclohexane	5.383	56	387946	159.467	ug/L	100
30) 1,1,1-Trichloroethane	5.309	97	479688	187.901	ug/L	99
31) Carbon tetrachloride	5.518	117	385046	176.019	ug/L	99
33) Benzene	5.766	78	1234086	197.531	ug/L	100
34) Trichloroethene	6.534	95	315102	187.345	ug/L	99
35) Methylcyclohexane	6.756	83	415258	163.157	ug/L	99
37) 1,2-Dichloropropane	6.782	63	386307	217.840	ug/L	99
38) Bromodichloromethane	7.097	83	487888	218.571	ug/L	97
39) cis-1,3-Dichloropropene	7.599	75	596538	213.884	ug/L	99
40) 4-Methyl-2-pentanone	7.782	43	1224413	530.815	ug/L	99
42) Toluene	7.962	91	1338634	201.820	ug/L	98
44) trans-1,3-Dichloropropene	8.203	75	561028	216.896	ug/L	97

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
45) 1,1,2-Trichloroethane	8.393	97	376125	226.066	ug/L	99
46) Tetrachloroethene	8.547	164	209714	181.779	ug/L	98
48) 2-Hexanone	8.676	43	978526	494.622	ug/L	99
49) Dibromochloromethane	8.804	129	373846	226.479	ug/L	97
50) 1,2-Dibromoethane	8.917	107	376543	216.703	ug/L	98
51) Chlorobenzene	9.441	112	861899	204.121	ug/L	98
52) Ethylbenzene	9.563	91	1565772	210.316	ug/L	100
53) m,p-Xylene	9.689	106	569591	209.580	ug/L	99
54) o-Xylene	10.094	106	578003	216.948	ug/L	100
55) Styrene	10.107	104	1055417	232.876	ug/L	99
57) 1,1,2,2-Tetrachloroethane	10.775	83	705989	255.470	ug/L	99
59) Bromoform	10.283	173	309872	229.385	ug/L	97
60) 1,2,3-Trichloropropane	10.814	75	548429	220.774	ug/L	100
61) Isopropylbenzene	10.480	105	1602221	197.182	ug/L	99
62) 1,3,5-Trimethylbenzene	11.081	105	1331956	197.761	ug/L	99
63) 1,2,4-Trimethylbenzene	11.460	105	1365460	201.584	ug/L	100
64) 1,3-Dichlorobenzene	11.740	146	744091	206.251	ug/L	99
65) 1,4-Dichlorobenzene	11.830	146	759217	204.180	ug/L	99
67) 1,2-Dichlorobenzene	12.206	146	770213	210.838	ug/L	99
68) 1,2-Dibromo-3-chloropr...	12.987	75	167424	260.404	ug/L	98
69) 1,3,5-Trichlorobenzene	13.213	180	558226	220.620	ug/L	100
70) 1,2,4-trichlorobenzene	13.833	180	521577	240.797	ug/L	98
71) Naphthalene	14.081	128	1762437	295.667	ug/L	99
72) 1,2,3-Trichlorobenzene	14.322	180	523127	250.234	ug/L	99

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

