

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU060123\
 Data File : VU054377.D
 Acq On : 01 Jun 2023 16:42
 Operator : JC/MD
 Sample : VSTD01024
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD010024

Quant Time: Jun 02 01:30:27 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM060123WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Jun 02 01:29:23 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.243	114	337511	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.414	117	333578	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.806	152	186220	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.597	65	27222	10.379	ug/L	0.00
7) Chloroethane-d5	1.906	69	20415	11.424	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.562	65	11105	10.427	ug/L	0.00
21) 2-Butanone-d5	4.629	46	43429	20.664	ug/L	0.00
24) Chloroform-d	5.057	84	48046	10.603	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.700	65	29820	10.636	ug/L	0.00
32) Benzene-d6	5.723	84	94568	10.579	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.684	67	31363	10.468	ug/L	0.00
41) Toluene-d8	7.893	98	84184	10.409	ug/L	0.00
43) trans-1,3-Dichloroprop...	8.176	79	14695	10.434	ug/L	0.00
47) 2-Hexanone-d5	8.632	63	26006	18.932	ug/L	0.00
56) 1,1,2,2-Tetrachloroeth...	10.751	84	47856	10.678	ug/L	0.00
66) 1,2-Dichlorobenzene-d4	12.188	152	34514	10.560	ug/L	0.00
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.382	85	13821	10.787	ug/L	96
3) Chloromethane	1.520	50	17966	11.388	ug/L	99
5) Vinyl chloride	1.601	62	18860	10.908	ug/L	95
6) Bromomethane	1.855	94	9973	11.363	ug/L	94
8) Chloroethane	1.925	64	10967	11.093	ug/L	99
9) Trichlorofluoromethane	2.131	101	27573	10.876	ug/L	100
10) 1,1,2-Trichloro-1,2,2-...	2.575	101	17772	10.658	ug/L	98
12) 1,1-Dichloroethene	2.575	96	15071	10.801	ug/L	95
13) Acetone	2.636	43	34708	24.126	ug/L	98
14) Carbon disulfide	2.787	76	28192	10.963	ug/L	98
15) Methyl Acetate	2.951	43	26594	11.212	ug/L	100
16) Methylene chloride	3.044	84	24725	11.903	ug/L	97
17) trans-1,2-Dichloroethene	3.350	96	14977	10.682	ug/L	93
18) Methyl tert-butyl Ether	3.359	73	60611	10.525	ug/L	100
19) 1,1-Dichloroethane	3.864	63	35642	10.905	ug/L	99
20) cis-1,2-Dichloroethene	4.658	96	19910	10.665	ug/L	94
22) 2-Butanone	4.713	43	39580	21.349	ug/L	96
23) Bromochloromethane	4.973	128	9960	10.324	ug/L	88
25) Chloroform	5.083	83	38162	10.953	ug/L	94
27) 1,2-Dichloroethane	5.790	62	26611	10.471	ug/L #	95
29) Cyclohexane	5.382	56	22291	10.405	ug/L	98
30) 1,1,1-Trichloroethane	5.311	97	30439	10.844	ug/L	99
31) Carbon tetrachloride	5.520	117	25212	10.874	ug/L	99
33) Benzene	5.768	78	72783	10.803	ug/L	100
34) Trichloroethene	6.536	95	19540	10.912	ug/L	96
35) Methylcyclohexane	6.761	83	22909	10.373	ug/L	97
37) 1,2-Dichloropropane	6.787	63	20921	10.504	ug/L #	94
38) Bromodichloromethane	7.102	83	28775	10.952	ug/L	99
39) cis-1,3-Dichloropropene	7.603	75	33226	10.799	ug/L	95
40) 4-Methyl-2-pentanone	7.787	43	66081	20.807	ug/L	100
42) Toluene	7.967	91	75788	10.667	ug/L	98
44) trans-1,3-Dichloropropene	8.208	75	30562	10.197	ug/L	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
45) 1,1,2-Trichloroethane	8.394	97	22876	10.856	ug/L	96
46) Tetrachloroethene	8.552	164	14919	11.312	ug/L	88
48) 2-Hexanone	8.681	43	54367	21.006	ug/L	95
49) Dibromochloromethane	8.806	129	21247	10.492	ug/L	97
50) 1,2-Dibromoethane	8.919	107	23323	10.788	ug/L	95
51) Chlorobenzene	9.443	112	54652	10.968	ug/L	97
52) Ethylbenzene	9.565	91	84105	10.474	ug/L	98
53) m,p-Xylene	9.693	106	31373	10.413	ug/L	97
54) o-Xylene	10.095	106	31128	10.401	ug/L	98
55) Styrene	10.111	104	52186	9.982	ug/L	95
57) 1,1,2,2-Tetrachloroethane	10.777	83	40429	10.846	ug/L	100
59) Bromoform	10.285	173	17124	10.313	ug/L	97
60) 1,2,3-Trichloropropane	10.819	75	31500	11.106	ug/L	99
61) Isopropylbenzene	10.481	105	82949	10.428	ug/L	100
62) 1,3,5-Trimethylbenzene	11.086	105	63941	9.993	ug/L	99
63) 1,2,4-Trimethylbenzene	11.465	105	62993	9.943	ug/L	99
64) 1,3-Dichlorobenzene	11.742	146	42708	10.484	ug/L	96
65) 1,4-Dichlorobenzene	11.832	146	47672	11.049	ug/L	99
67) 1,2-Dichlorobenzene	12.208	146	45972	10.867	ug/L	99
68) 1,2-Dibromo-3-chloropr...	12.992	75	8708	10.661	ug/L	98
69) 1,3,5-Trichlorobenzene	13.214	180	32183	10.597	ug/L	96
70) 1,2,4-trichlorobenzene	13.838	180	30112	10.544	ug/L	96
71) Naphthalene	14.082	128	86033	9.592	ug/L	98
72) 1,2,3-Trichlorobenzene	14.327	180	30589	10.523	ug/L	99

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

