

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU090222\
 Data File : VU050600.D
 Acq On : 02 Sep 2022 15:17
 Operator : SY/MD
 Sample : VSTD10022
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD100022

Quant Time: Sep 03 01:59:15 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM090222WMA.M
 Quant Title : VOC Analysis
 QLast Update : Sat Sep 03 01:56:20 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.247	114	476334	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.417	117	464114	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.812	152	204535	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.597	65	480574	129.572	ug/L	0.00
7) Chloroethane-d5	1.903	69	306340	108.245	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.565	63	818354	128.943	ug/L	0.00
21) 2-Butanone-d5	4.626	46	676618	215.356	ug/L	0.00
24) Chloroform-d	5.063	84	789459	109.524	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.703	65	474377	102.374	ug/L	0.00
32) Benzene-d6	5.726	84	1654752	113.743	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.690	67	538357	110.927	ug/L	0.00
41) Toluene-d8	7.896	98	1430101	113.335	ug/L	0.00
43) trans-1,3-Dichloroprop...	8.179	79	237100	121.027	ug/L	0.00
47) 2-Hexanone-d5	8.636	63	305610	185.616	ug/L	0.00
56) 1,1,2,2-Tetrachloroeth...	10.754	84	802217	106.734	ug/L	0.00
66) 1,2-Dichlorobenzene-d4	12.192	152	518180	116.048	ug/L	0.00
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.385	85	478266	142.286	ug/L	100
3) Chloromethane	1.517	50	573946	115.477	ug/L	98
5) Vinyl chloride	1.600	62	542128	118.485	ug/L	98
6) Bromomethane	1.851	94	231490	109.495	ug/L	100
8) Chloroethane	1.925	64	272378	96.656	ug/L	98
9) Trichlorofluoromethane	2.134	101	554889	103.128	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.575	101	420164	127.879	ug/L	99
12) 1,1-Dichloroethene	2.575	96	406480	121.873	ug/L	94
13) Acetone	2.633	43	487772	198.050	ug/L	96
14) Carbon disulfide	2.790	76	1198516	140.195	ug/L	100
15) Methyl Acetate	2.948	43	540082	107.379	ug/L	99
16) Methylene chloride	3.041	84	494005	93.560	ug/L	99
17) trans-1,2-Dichloroethene	3.350	96	428276	118.527	ug/L	99
18) Methyl tert-butyl Ether	3.362	73	1343148	111.936	ug/L	99
19) 1,1-Dichloroethane	3.867	63	811248	111.547	ug/L	99
20) cis-1,2-Dichloroethene	4.665	96	474772	112.253	ug/L	97
22) 2-Butanone	4.703	43	800589	210.968	ug/L	99
23) Bromochloromethane	4.973	128	225748	100.649	ug/L	98
25) Chloroform	5.086	83	757971	101.095	ug/L	100
27) 1,2-Dichloroethane	5.793	62	590951	100.568	ug/L	98
29) Cyclohexane	5.388	56	706556	129.321	ug/L	99
30) 1,1,1-Trichloroethane	5.317	97	625679	108.900	ug/L	99
31) Carbon tetrachloride	5.523	117	532136	119.201	ug/L	98
33) Benzene	5.774	78	1837635	108.803	ug/L	100
34) Trichloroethene	6.542	95	416145	106.380	ug/L	98
35) Methylcyclohexane	6.764	83	725657	131.826	ug/L	98
37) 1,2-Dichloropropane	6.790	63	476479	103.420	ug/L	100
38) Bromodichloromethane	7.105	83	560701	106.692	ug/L	100
39) cis-1,3-Dichloropropene	7.607	75	637742	104.372	ug/L	99
40) 4-Methyl-2-pentanone	7.790	43	1366695	207.655	ug/L	99
42) Toluene	7.970	91	1926965	114.752	ug/L	99
44) trans-1,3-Dichloropropene	8.208	75	619684	111.493	ug/L	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
45) 1,1,2-Trichloroethane	8.401	97	445207	100.442	ug/L	97
46) Tetrachloroethene	8.552	164	288066	104.448	ug/L	99
48) 2-Hexanone	8.684	43	1276396	224.485	ug/L	97
49) Dibromochloromethane	8.809	129	437198	111.458	ug/L	99
50) 1,2-Dibromoethane	8.922	107	484730	105.683	ug/L	97
51) Chlorobenzene	9.446	112	1100779	105.146	ug/L	100
52) Ethylbenzene	9.571	91	1847205	112.382	ug/L	99
53) m,p-Xylene	9.693	106	727006	117.888	ug/L	99
54) o-Xylene	10.098	106	717306	114.893	ug/L	100
55) Styrene	10.115	104	1224594	118.308	ug/L	97
57) 1,1,2,2-Tetrachloroethane	10.780	83	776089	98.354	ug/L	98
59) Bromoform	10.291	173	330176	120.005	ug/L	98
60) 1,2,3-Trichloropropane	10.822	75	600729	99.378	ug/L	100
61) Isopropylbenzene	10.484	105	1863791	126.570	ug/L	100
62) 1,3,5-Trimethylbenzene	11.089	105	1665411	136.645	ug/L	100
63) 1,2,4-Trimethylbenzene	11.468	105	1623126	137.448	ug/L	100
64) 1,3-Dichlorobenzene	11.745	146	827491	118.818	ug/L	98
65) 1,4-Dichlorobenzene	11.835	146	745763	105.324	ug/L	100
67) 1,2-Dichlorobenzene	12.208	146	765656	101.996	ug/L	98
68) 1,2-Dibromo-3-chloropr...	12.995	75	168518	115.086	ug/L	98
69) 1,3,5-Trichlorobenzene	13.217	180	582539	120.051	ug/L	98
70) 1,2,4-trichlorobenzene	13.838	180	476866	111.446	ug/L	100
71) Naphthalene	14.085	128	1859622	108.147	ug/L	99
72) 1,2,3-Trichlorobenzene	14.330	180	550220	112.412	ug/L	99

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

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