

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU102022\
 Data File : VU051463.D
 Acq On : 20 Oct 2022 10:22
 Operator : JC/MD
 Sample : VSTD01044
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD010044

Quant Time: Oct 20 21:38:43 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM102022WMA.M
 Quant Title : VOC Analysis
 QLast Update : Thu Oct 20 21:37:38 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.247	114	442408	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.417	117	464213	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.809	152	219621	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.597	65	38998	9.037	ug/L	0.00
7) Chloroethane-d5	1.893	69	32249	8.039	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.565	63	64569	9.880	ug/L	0.00
21) 2-Butanone-d5	4.623	46	48798	17.117	ug/L	0.00
24) Chloroform-d	5.060	84	70463	9.899	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.700	65	43548	9.902	ug/L	0.00
32) Benzene-d6	5.726	84	129670	9.611	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.687	67	43198	9.862	ug/L	0.00
41) Toluene-d8	7.896	98	112948	9.035	ug/L	0.00
43) trans-1,3-Dichloroprop...	8.176	79	16908	8.206	ug/L	0.00
47) 2-Hexanone-d5	8.632	63	29843	16.577	ug/L	0.00
56) 1,1,2,2-Tetrachloroeth...	10.754	84	74710	9.793	ug/L	0.00
66) 1,2-Dichlorobenzene-d4	12.192	152	41972	9.189	ug/L	0.00
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.382	85	41486	11.080	ug/L	99
3) Chloromethane	1.523	50	52900	11.868	ug/L	97
5) Vinyl chloride	1.604	62	52228	11.081	ug/L	92
6) Bromomethane	1.829	94	28085	7.760	ug/L	96
8) Chloroethane	1.916	64	30928	9.087	ug/L	96
9) Trichlorofluoromethane	2.128	101	61160	9.885	ug/L	98
10) 1,1,2-Trichloro-1,2,2-...	2.575	101	37168	10.945	ug/L	99
12) 1,1-Dichloroethene	2.575	96	34358	10.768	ug/L	96
13) Acetone	2.623	43	55191	22.671	ug/L	97
14) Carbon disulfide	2.787	76	112489	11.719	ug/L	100
15) Methyl Acetate	2.944	43	44366	10.422	ug/L	97
16) Methylene chloride	3.044	84	45452	9.991	ug/L	95
17) trans-1,2-Dichloroethene	3.350	96	34262	10.131	ug/L	96
18) Methyl tert-butyl Ether	3.359	73	92099	9.115	ug/L	99
19) 1,1-Dichloroethane	3.864	63	68684	10.704	ug/L	97
20) cis-1,2-Dichloroethene	4.661	96	36006	9.628	ug/L	92
22) 2-Butanone	4.700	43	62247	19.271	ug/L	97
23) Bromochloromethane	4.970	128	21497	10.493	ug/L	96
25) Chloroform	5.086	83	72838	10.530	ug/L	93
27) 1,2-Dichloroethane	5.793	62	56159	10.558	ug/L	99
29) Cyclohexane	5.385	56	43056	9.251	ug/L	98
30) 1,1,1-Trichloroethane	5.314	97	57221	10.440	ug/L	99
31) Carbon tetrachloride	5.520	117	49066	10.920	ug/L	99
33) Benzene	5.771	78	151278	10.511	ug/L	100
34) Trichloroethene	6.539	95	35915	9.783	ug/L	97
35) Methylcyclohexane	6.761	83	46122	9.051	ug/L	97
37) 1,2-Dichloropropane	6.787	63	42150	10.864	ug/L	99
38) Bromodichloromethane	7.105	83	53726	10.468	ug/L	99
39) cis-1,3-Dichloropropene	7.607	75	48942	8.997	ug/L	100
40) 4-Methyl-2-pentanone	7.790	43	95235	17.118	ug/L	98
42) Toluene	7.967	91	146875	9.591	ug/L	100
44) trans-1,3-Dichloropropene	8.208	75	47566	8.705	ug/L	92

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
45) 1,1,2-Trichloroethane	8.398	97	42230	10.191	ug/L	98
46) Tetrachloroethene	8.552	164	26939	9.616	ug/L	95
48) 2-Hexanone	8.684	43	82016	16.383	ug/L	98
49) Dibromochloromethane	8.806	129	41400	9.552	ug/L	100
50) 1,2-Dibromoethane	8.922	107	41468	9.309	ug/L	100
51) Chlorobenzene	9.446	112	101221	9.832	ug/L	99
52) Ethylbenzene	9.568	91	139581	8.711	ug/L	100
53) m,p-Xylene	9.693	106	51258	8.396	ug/L	94
54) o-Xylene	10.098	106	51448	8.452	ug/L	99
55) Styrene	10.111	104	86301	8.194	ug/L	100
57) 1,1,2,2-Tetrachloroethane	10.780	83	78827	10.659	ug/L	99
59) Bromoform	10.288	173	31771	9.882	ug/L	99
60) 1,2,3-Trichloropropane	10.819	75	61798	10.683	ug/L	99
61) Isopropylbenzene	10.481	105	125809	8.812	ug/L	99
62) 1,3,5-Trimethylbenzene	11.086	105	96464	8.304	ug/L	98
63) 1,2,4-Trimethylbenzene	11.465	105	91275	7.734	ug/L	99
64) 1,3-Dichlorobenzene	11.745	146	69852	9.426	ug/L	98
65) 1,4-Dichlorobenzene	11.835	146	72724	9.862	ug/L	99
67) 1,2-Dichlorobenzene	12.211	146	73947	9.932	ug/L	97
68) 1,2-Dibromo-3-chloropr...	12.992	75	15437	9.393	ug/L	90
69) 1,3,5-Trichlorobenzene	13.217	180	43947	8.875	ug/L	99
70) 1,2,4-trichlorobenzene	13.841	180	31895	7.947	ug/L	97
71) Naphthalene	14.085	128	86201	6.088	ug/L	99
72) 1,2,3-Trichlorobenzene	14.327	180	33825	7.538	ug/L	96

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

