

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU102022\
 Data File : VU051464.D
 Acq On : 20 Oct 2022 10:45
 Operator : JC/MD
 Sample : VSTD05045
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD050045

Quant Time: Oct 20 21:39:14 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	498100	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.414	117	505619	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.809	152	268288	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.597	65	193484	39.824	ug/L	0.00
7) Chloroethane-d5	1.893	69	159537	35.324	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.565	63	327944	44.569	ug/L	0.00
21) 2-Butanone-d5	4.616	46	280026	87.245	ug/L	0.00
24) Chloroform-d	5.060	84	356520	44.487	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.697	65	218335	44.094	ug/L	0.00
32) Benzene-d6	5.723	84	710618	48.359	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.687	67	227192	47.620	ug/L	0.00
41) Toluene-d8	7.896	98	672194	49.365	ug/L	0.00
43) trans-1,3-Dichloroprop...	8.176	79	100149	44.626	ug/L	0.00
47) 2-Hexanone-d5	8.632	63	208041	106.098	ug/L	0.00
56) 1,1,2,2-Tetrachloroeth...	10.754	84	392850	47.279	ug/L	0.00
66) 1,2-Dichlorobenzene-d4	12.192	152	247997	44.448	ug/L	0.00
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.382	85	204189	48.436	ug/L	100
3) Chloromethane	1.523	50	249505	49.718	ug/L	100
5) Vinyl chloride	1.604	62	259233	48.853	ug/L	100
6) Bromomethane	1.829	94	137177	33.663	ug/L	100
8) Chloroethane	1.916	64	155508	40.580	ug/L	100
9) Trichlorofluoromethane	2.128	101	305103	43.799	ug/L	100
10) 1,1,2-Trichloro-1,2,2-...	2.575	101	182075	47.620	ug/L	100
12) 1,1-Dichloroethene	2.575	96	175084	48.736	ug/L	100
13) Acetone	2.623	43	286334	104.468	ug/L	100
14) Carbon disulfide	2.790	76	563417	52.132	ug/L	100
15) Methyl Acetate	2.941	43	227100	47.384	ug/L	100
16) Methylene chloride	3.041	84	223475	43.632	ug/L	100
17) trans-1,2-Dichloroethene	3.350	96	181290	47.612	ug/L	100
18) Methyl tert-butyl Ether	3.359	73	519950	45.705	ug/L	100
19) 1,1-Dichloroethane	3.864	63	353348	48.912	ug/L	100
20) cis-1,2-Dichloroethene	4.661	96	198183	47.067	ug/L	100
22) 2-Butanone	4.697	43	353369	97.166	ug/L	100
23) Bromochloromethane	4.970	128	107916	46.784	ug/L	100
25) Chloroform	5.086	83	365393	46.918	ug/L	100
27) 1,2-Dichloroethane	5.790	62	284760	47.552	ug/L	100
29) Cyclohexane	5.385	56	277223	54.688	ug/L	100
30) 1,1,1-Trichloroethane	5.311	97	291894	48.894	ug/L	100
31) Carbon tetrachloride	5.520	117	245799	50.223	ug/L	100
33) Benzene	5.771	78	829342	52.904	ug/L	100
34) Trichloroethene	6.539	95	191178	47.813	ug/L	100
35) Methylcyclohexane	6.761	83	294338	53.033	ug/L	100
37) 1,2-Dichloropropane	6.787	63	220941	52.283	ug/L	100
38) Bromodichloromethane	7.102	83	274874	49.172	ug/L	100
39) cis-1,3-Dichloropropene	7.603	75	295006	49.788	ug/L	100
40) 4-Methyl-2-pentanone	7.790	43	621153	102.503	ug/L	100
42) Toluene	7.967	91	888558	53.274	ug/L	100
44) trans-1,3-Dichloropropene	8.208	75	289585	48.658	ug/L	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
45) 1,1,2-Trichloroethane	8.398	97	217096	48.098	ug/L	100
46) Tetrachloroethene	8.552	164	147538	48.354	ug/L	100
48) 2-Hexanone	8.681	43	544904	99.932	ug/L	100
49) Dibromochloromethane	8.806	129	220094	46.621	ug/L	100
50) 1,2-Dibromoethane	8.922	107	221275	45.607	ug/L	100
51) Chlorobenzene	9.446	112	538284	48.002	ug/L	100
52) Ethylbenzene	9.568	91	879054	50.367	ug/L	100
53) m,p-Xylene	9.690	106	351170	52.809	ug/L	100
54) o-Xylene	10.099	106	344482	51.960	ug/L	100
55) Styrene	10.111	104	618471	53.914	ug/L	100
57) 1,1,2,2-Tetrachloroethane	10.780	83	418323	51.932	ug/L	100
59) Bromoform	10.288	173	169181	43.075	ug/L	100
60) 1,2,3-Trichloropropane	10.819	75	322444	45.630	ug/L	100
61) Isopropylbenzene	10.481	105	858946	49.252	ug/L	100
62) 1,3,5-Trimethylbenzene	11.086	105	739902	52.140	ug/L	100
63) 1,2,4-Trimethylbenzene	11.465	105	748999	51.953	ug/L	100
64) 1,3-Dichlorobenzene	11.742	146	415490	45.898	ug/L	100
65) 1,4-Dichlorobenzene	11.832	146	421461	46.784	ug/L	100
67) 1,2-Dichlorobenzene	12.211	146	426938	46.942	ug/L	100
68) 1,2-Dibromo-3-chloropr...	12.992	75	83857	41.770	ug/L	100
69) 1,3,5-Trichlorobenzene	13.217	180	273576	45.224	ug/L	100
70) 1,2,4-trichlorobenzene	13.838	180	209562	42.742	ug/L	100
71) Naphthalene	14.086	128	700359	40.494	ug/L	100
72) 1,2,3-Trichlorobenzene	14.327	180	243032	44.337	ug/L	100

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

