

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU092922\
 Data File : VU050980.D
 Acq On : 29 Sep 2022 15:17
 Operator : JC/MD
 Sample : VSTD01038
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD010038

Quant Time: Sep 30 01:22:01 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM092922WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Sep 30 01:20:42 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.247	114	311159	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.417	117	342802	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.809	152	153392	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.597	65	32892	10.337	ug/L	0.00
7) Chloroethane-d5	1.906	69	28202	12.099	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.565	63	47905	9.759	ug/L	0.00
21) 2-Butanone-d5	4.626	46	41552	20.272	ug/L	0.00
24) Chloroform-d	5.063	84	55395	11.078	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.700	65	34444	11.171	ug/L	0.00
32) Benzene-d6	5.726	84	102441	9.340	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.690	67	34187	9.274	ug/L	0.00
41) Toluene-d8	7.896	98	89102	9.219	ug/L	0.00
43) trans-1,3-Dichloroprop...	8.179	79	14559	8.962	ug/L	0.00
47) 2-Hexanone-d5	8.632	63	21643	14.398	ug/L	0.00
56) 1,1,2,2-Tetrachloroeth...	10.755	84	58382	10.121	ug/L	0.00
66) 1,2-Dichlorobenzene-d4	12.192	152	33610	10.391	ug/L	0.00
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.385	85	27647	8.980	ug/L	98
3) Chloromethane	1.520	50	34839	9.708	ug/L	99
5) Vinyl chloride	1.604	62	35936	10.091	ug/L	99
6) Bromomethane	1.845	94	29984	15.191	ug/L	97
8) Chloroethane	1.925	64	23836	11.798	ug/L	95
9) Trichlorofluoromethane	2.134	101	47426	11.834	ug/L	100
10) 1,1,2-Trichloro-1,2,2-...	2.581	101	25536	10.224	ug/L	98
12) 1,1-Dichloroethene	2.578	96	23915	10.228	ug/L	94
13) Acetone	2.626	43	36174	21.198	ug/L	99
14) Carbon disulfide	2.790	76	71226	9.735	ug/L	100
15) Methyl Acetate	2.948	43	34114	10.582	ug/L	98
16) Methylene chloride	3.044	84	38286	11.718	ug/L	96
17) trans-1,2-Dichloroethene	3.353	96	25162	10.470	ug/L	95
18) Methyl tert-butyl Ether	3.363	73	73133	9.946	ug/L	99
19) 1,1-Dichloroethane	3.867	63	49840	10.320	ug/L	99
20) cis-1,2-Dichloroethene	4.665	96	27718	10.370	ug/L	90
22) 2-Butanone	4.707	43	48745	21.583	ug/L	93
23) Bromochloromethane	4.973	128	16246	11.449	ug/L	95
25) Chloroform	5.086	83	53340	10.913	ug/L	99
27) 1,2-Dichloroethane	5.793	62	40866	11.022	ug/L	96
29) Cyclohexane	5.388	56	30806	6.991	ug/L	100
30) 1,1,1-Trichloroethane	5.314	97	44464	10.046	ug/L	97
31) Carbon tetrachloride	5.526	117	35197	9.591	ug/L	98
33) Benzene	5.774	78	109934	9.077	ug/L	100
34) Trichloroethene	6.539	95	28858	10.066	ug/L	94
35) Methylcyclohexane	6.761	83	32820	7.328	ug/L	97
37) 1,2-Dichloropropane	6.790	63	29586	8.934	ug/L	100
38) Bromodichloromethane	7.105	83	39789	9.906	ug/L	98
39) cis-1,3-Dichloropropene	7.607	75	37837	8.500	ug/L	97
40) 4-Methyl-2-pentanone	7.790	43	76162	16.721	ug/L	98
42) Toluene	7.967	91	110082	9.088	ug/L	96
44) trans-1,3-Dichloropropene	8.208	75	37841	8.879	ug/L	100

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

45) 1,1,2-Trichloroethane	8.398	97	31545	10.101	ug/L	97
46) Tetrachloroethene	8.552	164	21488	10.375	ug/L	91
48) 2-Hexanone	8.684	43	69451	17.934	ug/L	97
49) Dibromochloromethane	8.809	129	33951	10.964	ug/L	97
50) 1,2-Dibromoethane	8.922	107	34255	10.539	ug/L #	99
51) Chlorobenzene	9.446	112	80192	10.632	ug/L	97
52) Ethylbenzene	9.568	91	109209	8.855	ug/L	99
53) m,p-Xylene	9.690	106	40303	8.853	ug/L	95
54) o-Xylene	10.099	106	38922	8.552	ug/L	99
55) Styrene	10.115	104	62663	8.014	ug/L	97
57) 1,1,2,2-Tetrachloroethane	10.780	83	55496	9.591	ug/L	97
59) Bromoform	10.288	173	24113	11.028	ug/L	99
60) 1,2,3-Trichloropropane	10.822	75	47115	11.163	ug/L	99
61) Isopropylbenzene	10.481	105	94079	8.827	ug/L	99
62) 1,3,5-Trimethylbenzene	11.086	105	68603	7.753	ug/L	97
63) 1,2,4-Trimethylbenzene	11.465	105	75529	8.717	ug/L	99
64) 1,3-Dichlorobenzene	11.745	146	55125	11.196	ug/L	99
65) 1,4-Dichlorobenzene	11.835	146	55225	10.929	ug/L	99
67) 1,2-Dichlorobenzene	12.211	146	55555	10.418	ug/L	100
68) 1,2-Dibromo-3-chloropr...	12.992	75	12774	10.845	ug/L	97
69) 1,3,5-Trichlorobenzene	13.217	180	34826	9.946	ug/L	99
70) 1,2,4-trichlorobenzene	13.838	180	25506	8.945	ug/L	100
71) Naphthalene	14.086	128	83736	7.759	ug/L	99
72) 1,2,3-Trichlorobenzene	14.327	180	28920	9.047	ug/L	99

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

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