

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU090322\
 Data File : VU050604.D
 Acq On : 03 Sep 2022 11:37
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD050188

Quant Time: Sep 05 01:02:52 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM090222WMA.M
 Quant Title : VOC Analysis
 QLast Update : Sat Sep 03 02:16:26 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.250	114	292323	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.417	117	275125	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.812	152	126968	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.597	65	99808	39.919	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	79.840%
7) Chloroethane-d5	1.906	69	70383	41.628	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	83.260%
11) 1,1-Dichloroethene-d2	2.568	63	194666	44.059	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	88.120%
21) 2-Butanone-d5	4.629	46	168664	92.203	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	92.200%
24) Chloroform-d	5.063	84	226149	47.724	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	95.440%
26) 1,2-Dichloroethane-d4	5.703	65	137879	47.615	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	95.220%
32) Benzene-d6	5.729	84	443707	48.802	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	97.600%
36) 1,2-Dichloropropane-d6	6.690	67	142434	47.715	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	95.440%
41) Toluene-d8	7.899	98	394784	50.776	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	101.560%
43) trans-1,3-Dichloroprop...	8.182	79	57090	46.223	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	92.440%
47) 2-Hexanone-d5	8.636	63	81079	107.982	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	107.980%
56) 1,1,2,2-Tetrachloroeth...	10.758	84	214816	47.554	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	95.100%
66) 1,2-Dichlorobenzene-d4	12.195	152	141180	47.500	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	95.000%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.385	85	136245	48.524	ug/L	100
3) Chloromethane	1.520	50	118891	39.188	ug/L	96
5) Vinyl chloride	1.604	62	117966	41.270	ug/L	100
6) Bromomethane	1.854	94	62151	43.115	ug/L	100
8) Chloroethane	1.928	64	64927	42.767	ug/L	98
9) Trichlorofluoromethane	2.134	101	164789	47.319	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.578	101	102020	44.658	ug/L	98
12) 1,1-Dichloroethene	2.578	96	103622	46.683	ug/L	98
13) Acetone	2.636	43	117911	85.449	ug/L	99
14) Carbon disulfide	2.793	76	312499	47.476	ug/L	99
15) Methyl Acetate	2.951	43	127955	43.845	ug/L	98
16) Methylene chloride	3.044	84	128905	44.250	ug/L	97
17) trans-1,2-Dichloroethene	3.353	96	112975	47.997	ug/L	94
18) Methyl tert-butyl Ether	3.362	73	355193	48.670	ug/L	98
19) 1,1-Dichloroethane	3.867	63	209505	46.134	ug/L	99
20) cis-1,2-Dichloroethene	4.665	96	127767	48.109	ug/L	96
22) 2-Butanone	4.706	43	189927	88.000	ug/L	94
23) Bromochloromethane	4.976	128	65855	47.987	ug/L	90
25) Chloroform	5.089	83	223339	48.272	ug/L	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.793	62	165378	48.227	ug/L	97
29) Cyclohexane	5.388	56	181134	49.160	ug/L	97
30) 1,1,1-Trichloroethane	5.317	97	188692	50.920	ug/L	99
31) Carbon tetrachloride	5.526	117	160603	52.899	ug/L	99
33) Benzene	5.774	78	499260	49.863	ug/L	100
34) Trichloroethene	6.542	95	119469	51.208	ug/L	99
35) Methylcyclohexane	6.764	83	181385	48.903	ug/L	97
37) 1,2-Dichloropropane	6.790	63	128774	48.690	ug/L	99
38) Bromodichloromethane	7.105	83	161464	51.899	ug/L	99
39) cis-1,3-Dichloropropene	7.607	75	167495	46.788	ug/L	100
40) 4-Methyl-2-pentanone	7.793	43	335016	92.955	ug/L	97
42) Toluene	7.970	91	512891	50.429	ug/L	100
44) trans-1,3-Dichloropropene	8.211	75	154409	45.972	ug/L	98
45) 1,1,2-Trichloroethane	8.401	97	124009	48.810	ug/L	99
46) Tetrachloroethene	8.555	164	88407	51.882	ug/L	100
48) 2-Hexanone	8.687	43	293833	87.358	ug/L	97
49) Dibromochloromethane	8.809	129	128697	53.109	ug/L	99
50) 1,2-Dibromoethane	8.925	107	131723	50.981	ug/L #	97
51) Chlorobenzene	9.446	112	315308	49.952	ug/L	98
52) Ethylbenzene	9.571	91	525845	52.336	ug/L	100
53) m,p-Xylene	9.693	106	200008	51.959	ug/L	99
54) o-Xylene	10.102	106	201560	52.594	ug/L	97
55) Styrene	10.115	104	333535	52.895	ug/L	98
57) 1,1,2,2-Tetrachloroethane	10.783	83	216068	47.745	ug/L	97
59) Bromoform	10.291	173	94409	49.837	ug/L	98
60) 1,2,3-Trichloropropane	10.822	75	170012	45.636	ug/L	98
61) Isopropylbenzene	10.484	105	504663	50.214	ug/L	99
62) 1,3,5-Trimethylbenzene	11.089	105	432002	50.279	ug/L	100
63) 1,2,4-Trimethylbenzene	11.468	105	418330	50.702	ug/L	100
64) 1,3-Dichlorobenzene	11.745	146	220740	49.917	ug/L	99
65) 1,4-Dichlorobenzene	11.835	146	213734	48.898	ug/L	99
67) 1,2-Dichlorobenzene	12.214	146	230758	48.996	ug/L	97
68) 1,2-Dibromo-3-chloropr...	12.995	75	44712	45.449	ug/L	96
69) 1,3,5-Trichlorobenzene	13.221	180	153488	47.828	ug/L	98
70) 1,2,4-trichlorobenzene	13.841	180	124928	45.845	ug/L	100
71) Naphthalene	14.085	128	425388	44.029	ug/L	99
72) 1,2,3-Trichlorobenzene	14.330	180	135528	45.927	ug/L	99

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

