

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\U090922\
 Data File : VU050698.D
 Acq On : 09 Sep 2022 11:38
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD050196

Quant Time: Sep 10 01:15:51 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM090222WMA.M
 Quant Title : VOC Analysis
 QLast Update : Thu Sep 08 22:51:50 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.247	114	249016	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.417	117	251617	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.813	152	120120	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.598	65	65752	30.872	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	61.740%
7) Chloroethane-d5	1.900	69	52272	36.293	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	72.580%
11) 1,1-Dichloroethene-d2	2.566	63	145317	38.609	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	77.220%
21) 2-Butanone-d5	4.620	46	167423	107.442	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	107.440%
24) Chloroform-d	5.061	84	196777	48.747	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	97.500%
26) 1,2-Dichloroethane-d4	5.700	65	124563	50.497	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	101.000%
32) Benzene-d6	5.726	84	356960	42.929	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	85.860%
36) 1,2-Dichloropropane-d6	6.691	67	122912	45.022	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	90.040%
41) Toluene-d8	7.896	98	324491	45.634	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	91.260%
43) trans-1,3-Dichloroprop...	8.179	79	55258	48.919	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	97.840%
47) 2-Hexanone-d5	8.633	63	77287	112.548	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	112.550%
56) 1,1,2,2-Tetrachloroeth...	10.755	84	215047	52.053	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	104.100%
66) 1,2-Dichlorobenzene-d4	12.192	152	126884	45.124	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	90.240%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.382	85	109953	45.970	ug/L	100
3) Chloromethane	1.521	50	112578	43.561	ug/L	100
5) Vinyl chloride	1.604	62	91999	37.783	ug/L	99
6) Bromomethane	1.839	94	55567	45.251	ug/L	96
8) Chloroethane	1.922	64	55599	42.991	ug/L	97
9) Trichlorofluoromethane	2.131	101	139792	47.122	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.575	101	90891	46.706	ug/L	99
12) 1,1-Dichloroethene	2.575	96	83605	44.215	ug/L	97
13) Acetone	2.623	43	124285	105.732	ug/L	98
14) Carbon disulfide	2.791	76	242825	43.307	ug/L	99
15) Methyl Acetate	2.945	43	129786	52.207	ug/L	97
16) Methylene chloride	3.041	84	122518	49.371	ug/L	96
17) trans-1,2-Dichloroethene	3.350	96	94208	46.984	ug/L	94
18) Methyl tert-butyl Ether	3.363	73	318318	51.202	ug/L	98
19) 1,1-Dichloroethane	3.864	63	190593	49.269	ug/L	100
20) cis-1,2-Dichloroethene	4.665	96	111996	49.505	ug/L	93
22) 2-Butanone	4.697	43	192599	104.758	ug/L	93
23) Bromochloromethane	4.974	128	65379	55.926	ug/L	92
25) Chloroform	5.086	83	209987	53.280	ug/L	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.794	62	167777	57.436	ug/L	97
29) Cyclohexane	5.389	56	129313	38.375	ug/L	94
30) 1,1,1-Trichloroethane	5.315	97	169538	50.026	ug/L	98
31) Carbon tetrachloride	5.524	117	139461	50.227	ug/L	100
33) Benzene	5.771	78	450778	49.227	ug/L	100
34) Trichloroethene	6.543	95	102461	48.021	ug/L	95
35) Methylcyclohexane	6.765	83	136406	40.212	ug/L	96
37) 1,2-Dichloropropane	6.790	63	119997	49.611	ug/L	98
38) Bromodichloromethane	7.106	83	157898	55.495	ug/L	99
39) cis-1,3-Dichloropropene	7.607	75	165567	50.570	ug/L	99
40) 4-Methyl-2-pentanone	7.790	43	334013	101.335	ug/L	98
42) Toluene	7.967	91	463666	49.848	ug/L	100
44) trans-1,3-Dichloropropene	8.208	75	164835	53.661	ug/L	100
45) 1,1,2-Trichloroethane	8.398	97	125920	54.193	ug/L	98
46) Tetrachloroethene	8.552	164	76740	49.242	ug/L	98
48) 2-Hexanone	8.684	43	293779	95.503	ug/L	96
49) Dibromochloromethane	8.810	129	132364	59.726	ug/L	99
50) 1,2-Dibromoethane	8.922	107	131121	55.489	ug/L #	98
51) Chlorobenzene	9.446	112	293686	50.874	ug/L	97
52) Ethylbenzene	9.568	91	444437	48.367	ug/L	99
53) m,p-Xylene	9.694	106	174197	49.482	ug/L	99
54) o-Xylene	10.099	106	180490	51.496	ug/L	99
55) Styrene	10.115	104	315341	54.682	ug/L	97
57) 1,1,2,2-Tetrachloroethane	10.781	83	228756	55.271	ug/L	99
59) Bromoform	10.289	173	100623	56.145	ug/L	98
60) 1,2,3-Trichloropropane	10.822	75	181464	51.487	ug/L	99
61) Isopropylbenzene	10.485	105	425095	44.709	ug/L	99
62) 1,3,5-Trimethylbenzene	11.089	105	359072	44.174	ug/L	97
63) 1,2,4-Trimethylbenzene	11.469	105	359546	46.062	ug/L	99
64) 1,3-Dichlorobenzene	11.745	146	210005	50.197	ug/L	99
65) 1,4-Dichlorobenzene	11.835	146	203243	49.148	ug/L	99
67) 1,2-Dichlorobenzene	12.211	146	224020	50.277	ug/L	98
68) 1,2-Dibromo-3-chloropr...	12.996	75	50297	54.041	ug/L	95
69) 1,3,5-Trichlorobenzene	13.218	180	137970	45.443	ug/L	100
70) 1,2,4-trichlorobenzene	13.842	180	99572	38.623	ug/L	99
71) Naphthalene	14.086	128	325776	35.641	ug/L	99
72) 1,2,3-Trichlorobenzene	14.330	180	111779	40.038	ug/L	98

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

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