

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU092122\
 Data File : VU050876.D
 Acq On : 21 Sep 2022 12:24
 Operator : JC/MD
 Sample : N4651-04MS
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 EXZ25MS

Manual Integrations
 APPROVED

Reviewed By :Krupa Patel 09/23/2022
 Supervised By :Mahesh Dadoda 09/26/2022

Quant Time: Sep 22 02:12:37 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM092022WMA.M
 Quant Title : VOC Analysis
 QLast Update : Thu Sep 22 02:11:06 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.247	114	445604	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.414	117	417757	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.809	152	180936	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.597	65	154745	33.518	ug/L	0.00
Spiked Amount 50.000	Range 60 - 135		Recovery =	67.040%		
7) Chloroethane-d5	1.906	69	139768	42.508	ug/L	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery =	85.020%		
11) 1,1-Dichloroethene-d2	2.568	63	283129	39.412	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	78.820%		
21) 2-Butanone-d5	4.620	46	338655	113.621	ug/L	0.00
Spiked Amount 100.000	Range 40 - 130		Recovery =	113.620%		
24) Chloroform-d	5.060	84	325727	45.021	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	90.040%		
26) 1,2-Dichloroethane-d4	5.700	65	214001	47.995	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	96.000%		
32) Benzene-d6	5.726	84	580555	42.191	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	84.380%		
36) 1,2-Dichloropropane-d6	6.690	67	213316	45.927	ug/L	0.00
Spiked Amount 50.000	Range 70 - 120		Recovery =	91.860%		
41) Toluene-d8	7.896	98	450037	37.416	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	74.840%#		
43) trans-1,3-Dichloroprop...	8.176	79	89684	44.386	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	88.780%		
47) 2-Hexanone-d5	8.632	63	214539	112.086	ug/L	0.00
Spiked Amount 100.000	Range 45 - 130		Recovery =	112.090%		
56) 1,1,2,2-Tetrachloroeth...	10.754	84	355724	50.235	ug/L	0.00
Spiked Amount 50.000	Range 65 - 120		Recovery =	100.460%		
66) 1,2-Dichlorobenzene-d4	12.192	152	151712	40.047	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	80.100%		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.385	85	285519	61.880	ug/L	99
3) Chloromethane	1.520	50	338751	63.151	ug/L	99
5) Vinyl chloride	1.604	62	368310	70.135	ug/L	98
6) Bromomethane	1.848	94	189542	71.445	ug/L	100
8) Chloroethane	1.925	64	197239	67.837	ug/L	100
9) Trichlorofluoromethane	2.134	101	383314	67.293	ug/L	100
10) 1,1,2-Trichloro-1,2,2-...	2.578	101	239577	65.711	ug/L	100
12) 1,1-Dichloroethene	2.578	96	224766m	65.611	ug/L	
13) Acetone	2.626	43	309887	122.788	ug/L	100
14) Carbon disulfide	2.790	76	709131	65.461	ug/L	100
15) Methyl Acetate	2.944	43	338808	71.137	ug/L	99
16) Methylene chloride	3.041	84	282764	59.445	ug/L	99
17) trans-1,2-Dichloroethene	3.350	96	244631	69.672	ug/L	98
18) Methyl tert-butyl Ether	3.362	73	755305	70.563	ug/L	99
19) 1,1-Dichloroethane	3.867	63	832937	117.403	ug/L	99
20) cis-1,2-Dichloroethene	4.665	96	586110	150.550	ug/L	100
22) 2-Butanone	4.700	43	503612	151.386	ug/L	99
23) Bromochloromethane	4.970	128	141093	69.150	ug/L	95
25) Chloroform	5.086	83	480318	67.932	ug/L	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.790	62	379486	70.624	ug/L	100
29) Cyclohexane	5.388	56	409196	71.176	ug/L	98
30) 1,1,1-Trichloroethane	5.314	97	485498	87.355	ug/L	98
31) Carbon tetrachloride	5.523	117	323832	70.138	ug/L	99
33) Benzene	5.774	78	1098597	71.458	ug/L	100
34) Trichloroethene	6.539	95	274404	76.838	ug/L	99
35) Methylcyclohexane	6.761	83	421298	73.216	ug/L	98
37) 1,2-Dichloropropane	6.790	63	296176	70.401	ug/L	99
38) Bromodichloromethane	7.105	83	359916	71.806	ug/L	99
39) cis-1,3-Dichloropropene	7.607	75	403368	71.650	ug/L	97
40) 4-Methyl-2-pentanone	7.790	43	923219	159.235	ug/L	99
42) Toluene	7.967	91	1126897	73.836	ug/L	99
44) trans-1,3-Dichloropropene	8.208	75	391581	73.119	ug/L	100
45) 1,1,2-Trichloroethane	8.398	97	278212	71.761	ug/L	99
46) Tetrachloroethene	8.552	164	187158	72.928	ug/L	99
48) 2-Hexanone	8.681	43	756281	156.107	ug/L	99
49) Dibromochloromethane	8.809	129	274958	72.331	ug/L	100
50) 1,2-Dibromoethane	8.922	107	294708	73.266	ug/L	100
51) Chlorobenzene	9.446	112	658930	70.719	ug/L	99
52) Ethylbenzene	9.568	91	1124556	73.859	ug/L	99
53) m,p-Xylene	9.693	106	429083	75.801	ug/L	98
54) o-Xylene	10.099	106	426030	75.536	ug/L	99
55) Styrene	10.111	104	748744	77.430	ug/L	99
57) 1,1,2,2-Tetrachloroethane	10.780	83	498920	69.548	ug/L	100
59) Bromoform	10.288	173	207438	79.432	ug/L	99
60) 1,2,3-Trichloropropane	10.822	75	400497	78.694	ug/L	99
61) Isopropylbenzene	10.484	105	1078895	83.438	ug/L	99
62) 1,3,5-Trimethylbenzene	11.086	105	904849	85.126	ug/L	100
63) 1,2,4-Trimethylbenzene	11.465	105	899605	85.460	ug/L	100
64) 1,3-Dichlorobenzene	11.742	146	460919	77.949	ug/L	99
65) 1,4-Dichlorobenzene	11.835	146	457608	76.229	ug/L	99
67) 1,2-Dichlorobenzene	12.211	146	484344	77.359	ug/L	98
68) 1,2-Dibromo-3-chloropr...	12.992	75	117607	84.020	ug/L	94
69) 1,3,5-Trichlorobenzene	13.217	180	308957	74.679	ug/L	99
70) 1,2,4-trichlorobenzene	13.838	180	255515	75.470	ug/L	100
71) Naphthalene	14.086	128	1094152	84.089	ug/L	99
72) 1,2,3-Trichlorobenzene	14.327	180	297329	78.467	ug/L	99

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

