

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU092222\
 Data File : VU050911.D
 Acq On : 22 Sep 2022 20:23
 Operator : JC/MD
 Sample : N4747-02MS
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 E45A0MS

Quant Time: Sep 23 01:13:56 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM092022WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Sep 23 01:08:30 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.247	114	407463	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.417	117	400818	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.809	152	192552	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.597	65	129958	30.784	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	61.560%
7) Chloroethane-d5	1.903	69	115212	38.320	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	76.640%
11) 1,1-Dichloroethene-d2	2.568	63	246674	37.552	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	75.100%
21) 2-Butanone-d5	4.616	46	314740	115.482	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	115.480%
24) Chloroform-d	5.060	84	283831	42.902	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	85.800%
26) 1,2-Dichloroethane-d4	5.700	65	175151	42.959	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	85.920%
32) Benzene-d6	5.726	84	520014	39.389	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	78.780%
36) 1,2-Dichloropropane-d6	6.687	67	182474	40.947	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	81.900%
41) Toluene-d8	7.896	98	451123	39.091	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	78.180%#
43) trans-1,3-Dichloroprop...	8.179	79	77742	40.102	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	80.200%
47) 2-Hexanone-d5	8.629	63	190729	103.858	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	103.860%
56) 1,1,2,2-Tetrachloroeth...	10.754	84	319005	46.953	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	93.900%
66) 1,2-Dichlorobenzene-d4	12.192	152	171962	42.654	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	85.300%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.382	85	198234	46.984	ug/L	100
3) Chloromethane	1.520	50	227306	46.342	ug/L	99
5) Vinyl chloride	1.604	62	235610	49.066	ug/L	99
6) Bromomethane	1.842	94	124379	51.271	ug/L	99
8) Chloroethane	1.925	64	137722	51.801	ug/L	99
9) Trichlorofluoromethane	2.134	101	263612	50.611	ug/L	98
10) 1,1,2-Trichloro-1,2,2-...	2.578	101	160966	48.282	ug/L	99
12) 1,1-Dichloroethene	2.578	96	150370	48.003	ug/L	89
13) Acetone	2.620	43	220189	95.413	ug/L	98
14) Carbon disulfide	2.790	76	465281	46.972	ug/L	99
15) Methyl Acetate	2.941	43	220704	50.677	ug/L	98
16) Methylene chloride	3.041	84	189711	43.616	ug/L	99
17) trans-1,2-Dichloroethene	3.350	96	158315	49.309	ug/L	98
18) Methyl tert-butyl Ether	3.359	73	489206	49.981	ug/L	99
19) 1,1-Dichloroethane	3.867	63	317129	48.884	ug/L	98
20) cis-1,2-Dichloroethene	4.665	96	190721	53.575	ug/L	98
22) 2-Butanone	4.694	43	348950	114.714	ug/L	100
23) Bromochloromethane	4.970	128	92875	49.779	ug/L	98
25) Chloroform	5.086	83	322641	49.903	ug/L	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.790	62	250674	51.018	ug/L	99
29) Cyclohexane	5.388	56	258915	46.940	ug/L	99
30) 1,1,1-Trichloroethane	5.314	97	265587	49.806	ug/L	99
31) Carbon tetrachloride	5.523	117	219137	49.469	ug/L	99
33) Benzene	5.771	78	731298	49.577	ug/L	100
34) Trichloroethene	6.539	95	183169	53.458	ug/L	97
35) Methylcyclohexane	6.761	83	255868	46.346	ug/L	99
37) 1,2-Dichloropropane	6.787	63	197028	48.813	ug/L	100
38) Bromodichloromethane	7.105	83	241420	50.200	ug/L	99
39) cis-1,3-Dichloropropene	7.607	75	250930	46.456	ug/L	99
40) 4-Methyl-2-pentanone	7.787	43	617863	111.072	ug/L	100
42) Toluene	7.967	91	746238	50.961	ug/L	99
44) trans-1,3-Dichloropropene	8.208	75	252592	49.159	ug/L	100
45) 1,1,2-Trichloroethane	8.398	97	185623	49.902	ug/L	98
46) Tetrachloroethene	8.552	164	118918	48.296	ug/L	98
48) 2-Hexanone	8.681	43	527420	113.467	ug/L	99
49) Dibromochloromethane	8.809	129	179844	49.309	ug/L	99
50) 1,2-Dibromoethane	8.922	107	195398	50.630	ug/L	98
51) Chlorobenzene	9.446	112	432085	48.333	ug/L	99
52) Ethylbenzene	9.568	91	713318	48.829	ug/L	99
53) m,p-Xylene	9.693	106	274731	50.585	ug/L	99
54) o-Xylene	10.099	106	274094	50.651	ug/L	98
55) Styrene	10.111	104	478071	51.528	ug/L	99
57) 1,1,2,2-Tetrachloroethane	10.780	83	336370	48.870	ug/L	99
59) Bromoform	10.288	173	138857	49.963	ug/L	98
60) 1,2,3-Trichloropropane	10.822	75	269807	49.816	ug/L	100
61) Isopropylbenzene	10.481	105	683906	49.700	ug/L	100
62) 1,3,5-Trimethylbenzene	11.086	105	560518	49.551	ug/L	100
63) 1,2,4-Trimethylbenzene	11.468	105	566897	50.605	ug/L	100
64) 1,3-Dichlorobenzene	11.745	146	304443	48.381	ug/L	98
65) 1,4-Dichlorobenzene	11.835	146	299548	46.889	ug/L	100
67) 1,2-Dichlorobenzene	12.211	146	327279	49.120	ug/L	97
68) 1,2-Dibromo-3-chloropr...	12.995	75	80648	54.140	ug/L	99
69) 1,3,5-Trichlorobenzene	13.217	180	203408	46.200	ug/L	98
70) 1,2,4-trichlorobenzene	13.838	180	163508	45.381	ug/L	99
71) Naphthalene	14.085	128	652351	47.111	ug/L	100
72) 1,2,3-Trichlorobenzene	14.327	180	190223	47.173	ug/L	98

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

