

Data File : VU036559.D
Acq On : 24 Jan 2020 16:56
Operator : JC/MD
Sample : MDL03
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 14 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
MDL03

Manual Integrations
APPROVED

MMDadoda
2/14/2020 12:24:03 PM

Quant Time: Jan 24 23:49:06 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SFAMUTR012420WMA.M
Quant Title : TRACE VOA SFAM1.0
QLast Update : Fri Jan 24 23:19:07 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev (Min)
1) 1,4-Difluorobenzene	6.29	114	147899	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.45	117	140700	5.00	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.83	152	65117	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	39507	4.86	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	97.20%
7) Chloroethane-d5	1.93	69	37635	5.11	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	102.20%
11) 1,1-Dichloroethene-d2	2.59	65	16758	5.00	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	100.00%
20) 2-Butanone-d5	4.70	46	94402	52.68	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	105.36%
24) Chloroform-d	5.11	84	74344	4.83	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	96.60%
26) 1,2-Dichloroethane-d4	5.75	65	40717	5.09	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	101.80%
32) Benzene-d6	5.77	84	166848	4.98	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	99.60%
36) 1,2-Dichloropropane-d6	6.73	67	51813	4.99	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	99.80%
41) Toluene-d8	7.93	98	159645	4.88	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	97.60%
43) trans-1,3-Dichloropropene-	8.21	79	20073	4.87	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	97.40%
46) 2-Hexanone-d5	8.67	63	102441	53.48	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	106.96%
56) 1,1,2,2-Tetrachloroethane-	10.78	84	41432	4.94	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	98.80%
66) 1,2-Dichlorobenzene-d4	12.21	152	59417	5.25	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	105.00%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.39	85	2612	0.241	ug/L	97
3) Chloromethane	1.53	50	2985	0.261	ug/L	97
5) Vinyl chloride	1.62	62	3274	0.263	ug/L #	76
6) Bromomethane	1.87	94	1915	0.265	ug/L	91
8) Chloroethane	1.95	64	2396m	0.312	ug/L	
9) Trichlorofluoromethane	2.16	101	3503	0.242	ug/L	99
10) 1,1,2-Trichloro-1,2,2-trif	2.60	101	2620	0.294	ug/L #	86
12) 1,1-Dichloroethene	2.60	96	2656	0.300	ug/L #	1
13) Acetone	2.68	43	7509m	5.622	ug/L	
14) Carbon disulfide	2.82	76	7003	0.252	ug/L	95
15) Methyl Acetate	3.00	43	925	0.271	ug/L #	46
16) Methylene chloride	3.08	84	6929	0.576	ug/L	97
17) Methyl tert-butyl Ether	3.41	73	5314	0.239	ug/L	100
18) trans-1,2-Dichloroethene	3.39	96	2423	0.255	ug/L	88
19) 1,1-Dichloroethane	3.92	63	3862	0.233	ug/L	94
21) 2-Butanone	4.78	43	6968m	3.226	ug/L	
22) cis-1,2-Dichloroethene	4.72	96	2572	0.243	ug/L	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev (Min)
23) Bromochloromethane	5.02	128	1004	0.225	ug/L	92
25) Chloroform	5.13	83	4716	0.286	ug/L	98
27) 1,2-Dichloroethane	5.84	62	2515	0.243	ug/L	99
29) 1,1,1-Trichloroethane	5.36	97	3367	0.240	ug/L	95
30) Cyclohexane	5.43	56	3756	0.234	ug/L	94
31) Carbon tetrachloride	5.57	117	2710	0.227	ug/L	96
33) Benzene	5.82	78	10257	0.259	ug/L	100
34) Trichloroethene	6.58	95	2662	0.254	ug/L	89
35) Methylcyclohexane	6.80	83	4362	0.243	ug/L	97
37) 1,2-Dichloropropane	6.83	63	2363	0.240	ug/L #	88
38) Bromodichloromethane	7.14	83	2737	0.228	ug/L #	94
39) cis-1,3-Dichloropropene	7.64	75	3322	0.219	ug/L	98
40) 4-Methyl-2-pentanone	7.84	43	13916	2.517	ug/L #	87
42) Toluene	8.00	91	11283	0.258	ug/L	100
44) trans-1,3-Dichloropropene	8.24	75	2826m	0.242	ug/L	
45) 1,1,2-Trichloroethane	8.43	97	1627	0.224	ug/L	93
47) Tetrachloroethene	8.58	164	2170	0.254	ug/L	97
48) 2-Hexanone	8.72	43	11713	3.070	ug/L	97
49) Dibromochloromethane	8.84	129	1901	0.228	ug/L	88
50) 1,2-Dibromoethane	8.95	107	1521	0.215	ug/L #	79
51) Chlorobenzene	9.47	112	7389	0.263	ug/L	94
52) Ethylbenzene	9.60	91	12245	0.258	ug/L	97
53) m,p-Xylene	9.72	106	4707	0.255	ug/L	89
54) o-Xylene	10.12	106	4457	0.247	ug/L	98
55) Styrene	10.14	104	6906	0.233	ug/L	98
57) 1,1,2,2-Tetrachloroethane	10.81	83	2174	0.238	ug/L #	87
59) Bromoform	10.32	173	1082	0.247	ug/L #	86
60) Isopropylbenzene	10.51	105	11243	0.255	ug/L	98
61) 1,2,3-Trichloropropane	10.85	75	1571	0.259	ug/L #	90
62) 1,3,5-Trimethylbenzene	11.11	105	9352	0.248	ug/L	100
63) 1,2,4-Trimethylbenzene	11.49	105	9563	0.255	ug/L	98
64) 1,3-Dichlorobenzene	11.77	146	5329	0.260	ug/L	96
65) 1,4-Dichlorobenzene	11.86	146	5227	0.255	ug/L	95
67) 1,2-Dichlorobenzene	12.23	146	5256	0.268	ug/L	94
68) 1,2-Dibromo-3-chloropropan	13.02	75	209	0.163	ug/L	92
69) 1,3,5-Trichlorobenzene	13.24	180	3653	0.232	ug/L	97
70) 1,2,4-trichlorobenzene	13.86	180	2169	0.189	ug/L	98
71) Naphthalene	14.11	128	2442	0.149	ug/L #	94
72) 1,2,3-Trichlorobenzene	14.35	180	2214	0.214	ug/L #	93

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

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