

Data File : VU036558.D
Acq On : 24 Jan 2020 16:31
Operator : JC/MD
Sample : MDL02
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
MDL02

Manual Integrations
APPROVED

MMDadoda
2/14/2020 12:23:58 PM

Quant Time: Jan 24 23:46:05 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	139883	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.45	117	133031	5.00	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.83	152	62460	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	38706	5.03	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	100.60%
7) Chloroethane-d5	1.93	69	36495	5.24	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	104.80%
11) 1,1-Dichloroethene-d2	2.59	65	16621	5.24	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	104.80%
20) 2-Butanone-d5	4.70	46	99256	58.56	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	117.12%
24) Chloroform-d	5.11	84	74561	5.13	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	102.60%
26) 1,2-Dichloroethane-d4	5.75	65	40715	5.38	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	107.60%
32) Benzene-d6	5.77	84	166067	5.24	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	104.80%
36) 1,2-Dichloropropane-d6	6.73	67	51119	5.21	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	104.20%
41) Toluene-d8	7.93	98	160537	5.19	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	103.80%
43) trans-1,3-Dichloropropene-	8.21	79	20185	5.18	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	103.60%
46) 2-Hexanone-d5	8.67	63	101114	55.83	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	111.66%
56) 1,1,2,2-Tetrachloroethane-	10.78	84	41542	5.24	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	104.80%
66) 1,2-Dichlorobenzene-d4	12.21	152	59331	5.47	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	109.40%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.39	85	2616	0.255 ug/L	97
3) Chloromethane	1.54	50	3064	0.283 ug/L	100
5) Vinyl chloride	1.62	62	3223	0.274 ug/L #	79
6) Bromomethane	1.87	94	1998	0.293 ug/L	91
8) Chloroethane	1.95	64	2096m	0.288 ug/L	
9) Trichlorofluoromethane	2.16	101	3755	0.275 ug/L	94
10) 1,1,2-Trichloro-1,2,2-trif	2.60	101	2915	0.346 ug/L #	84
12) 1,1-Dichloroethene	2.60	96	2630	0.315 ug/L #	1
13) Acetone	2.69	43	6166	4.881 ug/L	96
14) Carbon disulfide	2.82	76	6999	0.266 ug/L	98
15) Methyl Acetate	3.00	43	865	0.268 ug/L #	50
16) Methylene chloride	3.08	84	5603	0.493 ug/L	92
17) Methyl tert-butyl Ether	3.41	73	5442	0.259 ug/L #	86
18) trans-1,2-Dichloroethene	3.39	96	2457	0.274 ug/L	94
19) 1,1-Dichloroethane	3.92	63	4205	0.268 ug/L	92
21) 2-Butanone	4.78	43	7304	3.575 ug/L	92
22) cis-1,2-Dichloroethene	4.72	96	2713	0.271 ug/L	88

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev (Min)
23) Bromochloromethane	5.02	128	1100	0.261	ug/L	93
25) Chloroform	5.13	83	5144	0.329	ug/L	95
27) 1,2-Dichloroethane	5.84	62	2662	0.272	ug/L #	94
29) 1,1,1-Trichloroethane	5.36	97	3284	0.247	ug/L	98
30) Cyclohexane	5.43	56	4037	0.266	ug/L	98
31) Carbon tetrachloride	5.57	117	2799	0.248	ug/L	96
33) Benzene	5.82	78	10268	0.275	ug/L	100
34) Trichloroethene	6.58	95	2652	0.268	ug/L	95
35) Methylcyclohexane	6.80	83	4319	0.255	ug/L	97
37) 1,2-Dichloropropane	6.83	63	2333	0.251	ug/L #	88
38) Bromodichloromethane	7.14	83	2785	0.245	ug/L #	96
39) cis-1,3-Dichloropropene	7.64	75	3752	0.262	ug/L	98
40) 4-Methyl-2-pentanone	7.84	43	14272	2.730	ug/L #	85
42) Toluene	8.00	91	11138	0.270	ug/L	100
44) trans-1,3-Dichloropropene	8.24	75	2661m	0.241	ug/L	
45) 1,1,2-Trichloroethane	8.43	97	1847	0.269	ug/L	96
47) Tetrachloroethene	8.58	164	2243	0.278	ug/L	86
48) 2-Hexanone	8.72	43	11645	3.228	ug/L #	95
49) Dibromochloromethane	8.84	129	2005	0.255	ug/L	98
50) 1,2-Dibromoethane	8.96	107	1651	0.247	ug/L #	97
51) Chlorobenzene	9.47	112	7512	0.283	ug/L	98
52) Ethylbenzene	9.60	91	12300	0.274	ug/L	99
53) m,p-Xylene	9.72	106	4578	0.263	ug/L	97
54) o-Xylene	10.12	106	4484	0.262	ug/L	98
55) Styrene	10.14	104	7260	0.259	ug/L	100
57) 1,1,2,2-Tetrachloroethane	10.81	83	2175	0.252	ug/L #	94
59) Bromoform	10.32	173	1012	0.241	ug/L #	90
60) Isopropylbenzene	10.51	105	11550	0.274	ug/L	99
61) 1,2,3-Trichloropropane	10.85	75	1528	0.263	ug/L	95
62) 1,3,5-Trimethylbenzene	11.11	105	9611	0.266	ug/L	97
63) 1,2,4-Trimethylbenzene	11.49	105	9430	0.263	ug/L	97
64) 1,3-Dichlorobenzene	11.77	146	5384	0.274	ug/L	94
65) 1,4-Dichlorobenzene	11.86	146	5331	0.271	ug/L	99
67) 1,2-Dichlorobenzene	12.23	146	5443	0.289	ug/L	95
68) 1,2-Dibromo-3-chloropropan	13.02	75	203	0.165	ug/L	93
69) 1,3,5-Trichlorobenzene	13.24	180	3968	0.262	ug/L	98
70) 1,2,4-trichlorobenzene	13.86	180	2260	0.206	ug/L	97
71) Naphthalene	14.11	128	2764	0.176	ug/L	96
72) 1,2,3-Trichlorobenzene	14.35	180	1924	0.194	ug/L	86

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

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