

Data File : VU036565.D
Acq On : 27 Jan 2020 13:51
Operator : JC/MD
Sample : MDL04
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
MDL04

Manual Integrations
APPROVED

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

Quant Time: Jan 28 02:33:50 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SFAMUTR012420WMA.M
Quant Title : TRACE VOA SFAM1.0
QLast Update : Tue Jan 28 02:00:09 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev (Min)
1) 1,4-Difluorobenzene	6.29	114	157935	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.45	117	148697	5.00	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.83	152	70207	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	35300	4.06	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	81.20%
7) Chloroethane-d5	1.93	69	34348	4.36	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	87.20%
11) 1,1-Dichloroethene-d2	2.59	65	15578	4.35	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	87.00%
20) 2-Butanone-d5	4.69	46	80944	42.30	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	84.60%
24) Chloroform-d	5.11	84	71179	4.33	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	86.60%
26) 1,2-Dichloroethane-d4	5.75	65	38589	4.52	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	90.40%
32) Benzene-d6	5.77	84	159872	4.52	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	90.40%
36) 1,2-Dichloropropane-d6	6.73	67	50460	4.60	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	92.00%
41) Toluene-d8	7.93	98	154381	4.47	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	89.40%
43) trans-1,3-Dichloropropene-	8.21	79	20215	4.64	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	92.80%
46) 2-Hexanone-d5	8.67	63	99972	49.39	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	98.78%
56) 1,1,2,2-Tetrachloroethane-	10.78	84	41316	4.66	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	93.20%
66) 1,2-Dichlorobenzene-d4	12.21	152	57130	4.69	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	93.80%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.39	85	2768	0.239 ug/L	98
3) Chloromethane	1.54	50	3076	0.252 ug/L	90
5) Vinyl chloride	1.62	62	3221	0.243 ug/L #	69
6) Bromomethane	1.88	94	1948	0.253 ug/L	93
8) Chloroethane	1.95	64	2423	0.295 ug/L	92
9) Trichlorofluoromethane	2.16	101	3655	0.237 ug/L	98
10) 1,1,2-Trichloro-1,2,2-trif	2.60	101	2842	0.298 ug/L	89
12) 1,1-Dichloroethene	2.60	96	2725	0.289 ug/L #	1
13) Acetone	2.67	43	6588	4.619 ug/L	99
14) Carbon disulfide	2.82	76	7329	0.247 ug/L	100
15) Methyl Acetate	3.00	43	856	0.235 ug/L #	51
16) Methylene chloride	3.08	84	4695	0.366 ug/L	98
17) Methyl tert-butyl Ether	3.41	73	5808	0.245 ug/L	98
18) trans-1,2-Dichloroethene	3.39	96	2519	0.248 ug/L	90
19) 1,1-Dichloroethane	3.92	63	4291	0.243 ug/L	96
21) 2-Butanone	4.77	43	7506	3.254 ug/L	99
22) cis-1,2-Dichloroethene	4.72	96	2792	0.247 ug/L	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev (Min)
23) Bromochloromethane	5.02	128	1061	0.223	ug/L #	95
25) Chloroform	5.13	83	4999	0.283	ug/L	99
27) 1,2-Dichloroethane	5.84	62	2786	0.252	ug/L	99
29) 1,1,1-Trichloroethane	5.36	97	3684	0.248	ug/L	93
30) Cyclohexane	5.43	56	4002	0.236	ug/L	99
31) Carbon tetrachloride	5.57	117	2759	0.219	ug/L	94
33) Benzene	5.82	78	10464	0.250	ug/L	100
34) Trichloroethene	6.58	95	2726	0.246	ug/L	91
35) Methylcyclohexane	6.80	83	4775	0.252	ug/L	94
37) 1,2-Dichloropropane	6.83	63	2603	0.251	ug/L #	88
38) Bromodichloromethane	7.14	83	3013	0.237	ug/L	98
39) cis-1,3-Dichloropropene	7.64	75	3606	0.225	ug/L	92
40) 4-Methyl-2-pentanone	7.84	43	15818	2.707	ug/L #	87
42) Toluene	8.00	91	12589	0.273	ug/L	96
44) trans-1,3-Dichloropropene	8.24	75	2824m	0.229	ug/L	
45) 1,1,2-Trichloroethane	8.43	97	1914	0.249	ug/L	95
47) Tetrachloroethene	8.58	164	2282	0.253	ug/L	94
48) 2-Hexanone	8.72	43	12526	3.107	ug/L	97
49) Dibromochloromethane	8.84	129	1968	0.224	ug/L	94
50) 1,2-Dibromoethane	8.96	107	1779	0.238	ug/L #	93
51) Chlorobenzene	9.47	112	7946	0.268	ug/L	94
52) Ethylbenzene	9.60	91	12451	0.248	ug/L	93
53) m,p-Xylene	9.72	106	4716	0.242	ug/L	96
54) o-Xylene	10.12	106	4922	0.258	ug/L	91
55) Styrene	10.14	104	7712	0.246	ug/L	94
57) 1,1,2,2-Tetrachloroethane	10.81	83	2427	0.252	ug/L #	80
59) Bromoform	10.32	173	1099	0.233	ug/L #	90
60) Isopropylbenzene	10.51	105	12319	0.260	ug/L	99
61) 1,2,3-Trichloropropane	10.85	75	1812	0.277	ug/L #	81
62) 1,3,5-Trimethylbenzene	11.11	105	10121	0.249	ug/L	98
63) 1,2,4-Trimethylbenzene	11.49	105	10046	0.249	ug/L	97
64) 1,3-Dichlorobenzene	11.77	146	5669	0.256	ug/L	97
65) 1,4-Dichlorobenzene	11.86	146	5708	0.258	ug/L	98
67) 1,2-Dichlorobenzene	12.23	146	5264	0.249	ug/L	98
68) 1,2-Dibromo-3-chloropropan	13.01	75	364	0.263	ug/L #	76
69) 1,3,5-Trichlorobenzene	13.24	180	3631	0.214	ug/L	97
70) 1,2,4-trichlorobenzene	13.86	180	2060	0.167	ug/L	96
71) Naphthalene	14.10	128	1879	0.107	ug/L #	86
72) 1,2,3-Trichlorobenzene	14.35	180	1802	0.161	ug/L	97

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

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

Abundance

TIC: VU036565.D

Time-->

Peak labels (from left to right):

- Dichlorodifluoropropane, T
- Chloromethane, T
- Vinyl Chloride, T
- Bromochloroethane, T
- Chloroethane-d5, S
- Trichlorofluoromethane, T
- 1,1-Dichloroethane-2,2,3,3-tetrafluoroethane, T
- Acetone, T
- Carbon disulfide, T
- Methylchloride, T
- Methylchloride, T
- 1,1-Dichloroethane, T
- 2-Butanone, T
- cis-1,2-Dichloroethane-d5, S
- Bromochloromethane, T
- Chloroform, T
- 1,1,1-Trichloroethane, T
- Carbon tetrachloride, T
- 1,2-Dichloroethane, T
- 1,2-Dichloroethane-d4, S
- Benzene-d6, S
- 1,4-Difluorobenzene, T
- 1,2-Dichloropropane-d6, S
- Trichloroethene, T
- 1,2-Dichloroethane, T
- Bromodichloromethane, T
- cis-1,3-Dichloropropene, T
- 4-Methyl-2-pentanone, T
- Toluene, T
- trans-1,3-Dichlorodibromopropene-d4, S
- 1,1,2-Trichloroethane, T
- Tetrachloroethene, T
- 2-Hexanone-d5, S
- Dibromochloromethane, T
- 1,2-Dichloroethane, T
- Chlorobenzene, T
- Ethylbenzene, T
- m,p-Xylene, T
- Bromobenzene, T
- Isopropylbenzene, T
- 1,2,3-Trichloropropane, T
- 1,1,2,2-Tetrachloroethane-d2, S
- 1,3,5-Trimethylbenzene, T
- 1,2,4-Trimethylbenzene, T
- 1,3-Dichlorobenzene, T
- 1,4-Dichlorobenzene, T
- 1,4-Dichlorobenzene-d4, T
- 1,2-Dichlorobenzene, T
- 1,2-Dibromo-3-chloropropane, T
- 1,3,5-Trichlorobenzene, T
- 1,2,4-trichlorobenzene, T
- Naphthalene, T
- 1,2,3-Trichlorobenzene, T