

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U102820\
 Data File : VU041005.D
 Acq On : 28 Oct 2020 20:25
 Operator : SY/MD
 Sample : L4485-11
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleID :
 MDL-WATER-04

Manual Integrations
 APPROVED

MMDadoda
 10/29/2020 11:07:19 AM

Quant Time: Oct 29 02:25:34 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SFAMUTR102820WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Thu Oct 29 01:58:41 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.26	114	115508	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.42	117	115921	5.00	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.81	152	50096	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.60	65	36465	4.69	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	93.80%
7) Chloroethane-d5	1.92	69	31608	4.98	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	99.60%
11) 1,1-Dichloroethene-d2	2.58	65	18037	4.80	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	96.00%
20) 2-Butanone-d5	4.66	46	164064	50.66	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	101.32%
24) Chloroform-d	5.08	84	76188	4.79	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	95.80%
26) 1,2-Dichloroethane-d4	5.72	65	49999	5.01	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	100.20%
32) Benzene-d6	5.74	84	136268	4.80	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	96.00%
36) 1,2-Dichloropropane-d6	6.70	67	49119	4.97	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	99.40%
41) Toluene-d8	7.91	98	112755	4.57	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	91.40%
43) trans-1,3-Dichloropropene-	8.19	79	19167	4.62	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	92.40%
46) 2-Hexanone-d5	8.64	63	112492	49.91	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	99.82%
56) 1,1,2,2-Tetrachloroethane-	10.75	84	44374	4.90	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	98.00%
66) 1,2-Dichlorobenzene-d4	12.19	152	42355	5.05	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	101.00%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.39	85	2492	0.253 ug/L	92
3) Chloromethane	1.53	50	2910	0.282 ug/L	91
5) Vinyl chloride	1.61	62	2788	0.273 ug/L #	62
6) Bromomethane	1.87	94	1242	0.228 ug/L	81
8) Chloroethane	1.95	64	1595m	0.244 ug/L	
9) Trichlorofluoromethane	2.15	101	3380	0.239 ug/L	89
10) 1,1,2-Trichloro-1,2,2-trif	2.60	101	2374	0.289 ug/L #	86
12) 1,1-Dichloroethene	2.59	96	2337	0.299 ug/L #	1
13) Acetone	2.68	43	4469m	2.202 ug/L	
14) Carbon disulfide	2.81	76	7096	0.285 ug/L	97
15) Methyl Acetate	2.98	43	1370	0.288 ug/L #	57
16) Methylene chloride	3.06	84	3612	0.387 ug/L	93
17) Methyl tert-butyl Ether	3.38	73	5037	0.247 ug/L	99
18) trans-1,2-Dichloroethene	3.37	96	2024	0.255 ug/L	91
19) 1,1-Dichloroethane	3.89	63	4008	0.244 ug/L	93
21) 2-Butanone	4.74	43	6524m	1.981 ug/L	
22) cis-1,2-Dichloroethene	4.69	96	2124	0.251 ug/L	93

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	5.00	128	992	0.246	ug/L	87
25) Chloroform	5.11	83	5435	0.324	ug/L	99
27) 1,2-Dichloroethane	5.81	62	3224	0.263	ug/L #	78
29) 1,1,1-Trichloroethane	5.34	97	3404	0.236	ug/L	95
30) Cyclohexane	5.40	56	3120	0.234	ug/L	95
31) Carbon tetrachloride	5.54	117	3148	0.256	ug/L	95
33) Benzene	5.79	78	8928	0.265	ug/L	100
34) Trichloroethene	6.56	95	2122	0.236	ug/L	97
35) Methylcyclohexane	6.77	83	2989	0.239	ug/L	97
37) 1,2-Dichloropropane	6.80	63	2406	0.251	ug/L #	91
38) Bromodichloromethane	7.12	83	2912	0.244	ug/L #	86
39) cis-1,3-Dichloropropene	7.62	75	3194	0.252	ug/L	100
40) 4-Methyl-2-pentanone	7.80	43	17234	2.384	ug/L #	88
42) Toluene	7.97	91	7959	0.233	ug/L	98
44) trans-1,3-Dichloropropene	8.21	75	2586m	0.219	ug/L	
45) 1,1,2-Trichloroethane	8.41	97	1544	0.226	ug/L	94
47) Tetrachloroethene	8.56	164	1752	0.282	ug/L	91
48) 2-Hexanone	8.69	43	17121	3.157	ug/L	94
49) Dibromochloromethane	8.81	129	1934	0.245	ug/L	97
50) 1,2-Dibromoethane	8.93	107	1527	0.239	ug/L #	93
51) Chlorobenzene	9.45	112	5740	0.262	ug/L	87
52) Ethylbenzene	9.57	91	8619	0.244	ug/L	99
53) m,p-Xylene	9.69	106	3014	0.235	ug/L	84
54) o-Xylene	10.10	106	2735	0.223	ug/L	87
55) Styrene	10.11	104	3958	0.186	ug/L	96
57) 1,1,2,2-Tetrachloroethane	10.78	83	2488	0.282	ug/L	92
59) Bromoform	10.29	173	976	0.250	ug/L #	87
60) Isopropylbenzene	10.48	105	6773	0.233	ug/L	97
61) 1,2,3-Trichloropropane	10.83	75	1806	0.299	ug/L #	91
62) 1,3,5-Trimethylbenzene	11.08	105	4787	0.205	ug/L	99
63) 1,2,4-Trimethylbenzene	11.46	105	5019	0.212	ug/L	95
64) 1,3-Dichlorobenzene	11.74	146	3482	0.240	ug/L	93
65) 1,4-Dichlorobenzene	11.83	146	3681	0.248	ug/L	91
67) 1,2-Dichlorobenzene	12.20	146	3693	0.263	ug/L #	86
68) 1,2-Dibromo-3-chloropropan	12.99	75	378	0.271	ug/L #	58
69) 1,3,5-Trichlorobenzene	13.21	180	2697	0.271	ug/L	98
70) 1,2,4-trichlorobenzene	13.83	180	2031	0.242	ug/L	90
71) Naphthalene	14.08	128	2715	0.185	ug/L #	79
72) 1,2,3-Trichlorobenzene	14.32	180	1789	0.228	ug/L	95

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

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