

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU102920\
 Data File : VU041012.D
 Acq On : 29 Oct 2020 12:08
 Operator : SY/MD
 Sample : L4485-13
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 MDL-WATER-06

Manual Integrations
 APPROVED

MMDadoda
 10/29/2020 2:59:29 PM

Quant Time: Oct 29 12:50:25 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SFAMUTR102820WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Thu Oct 29 12:31:13 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.26	114	111655	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.42	117	113081	5.00	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.81	152	49474	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	36300	4.83	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	96.60%
7) Chloroethane-d5	1.92	69	29658	4.83	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	96.60%
11) 1,1-Dichloroethene-d2	2.58	65	16757	4.61	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	92.20%
20) 2-Butanone-d5	4.67	46	167351	53.46	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	106.92%
24) Chloroform-d	5.08	84	73764	4.80	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	96.00%
26) 1,2-Dichloroethane-d4	5.72	65	47415	4.91	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	98.20%
32) Benzene-d6	5.74	84	132695	4.79	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	95.80%
36) 1,2-Dichloropropane-d6	6.70	67	47925	4.98	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	99.60%
41) Toluene-d8	7.90	98	105437	4.38	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	87.60%
43) trans-1,3-Dichloropropene-	8.19	79	19335	4.78	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	95.60%
46) 2-Hexanone-d5	8.64	63	112716	51.26	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	102.52%
56) 1,1,2,2-Tetrachloroethane-	10.75	84	43268	4.90	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	98.00%
66) 1,2-Dichlorobenzene-d4	12.19	152	40967	4.94	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	98.80%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.39	85	2661	0.280 ug/L	93
3) Chloromethane	1.53	50	2431	0.244 ug/L	97
5) Vinyl chloride	1.61	62	2538	0.257 ug/L #	63
6) Bromomethane	1.87	94	1301	0.247 ug/L	91
8) Chloroethane	1.94	64	1626	0.257 ug/L	83
9) Trichlorofluoromethane	2.15	101	3328	0.243 ug/L	91
10) 1,1,2-Trichloro-1,2,2-trif	2.59	101	2457	0.310 ug/L #	83
12) 1,1-Dichloroethene	2.59	96	2291	0.303 ug/L #	1
13) Acetone	2.67	43	5750m	2.931 ug/L	
14) Carbon disulfide	2.81	76	6312	0.262 ug/L	98
15) Methyl Acetate	2.98	43	1320	0.287 ug/L #	57
16) Methylene chloride	3.06	84	3874	0.429 ug/L	96
17) Methyl tert-butyl Ether	3.38	73	4418	0.224 ug/L	92
18) trans-1,2-Dichloroethene	3.37	96	1766	0.230 ug/L	94
19) 1,1-Dichloroethane	3.89	63	4131	0.260 ug/L #	93
21) 2-Butanone	4.74	43	9412m	2.957 ug/L	
22) cis-1,2-Dichloroethene	4.68	96	2092	0.256 ug/L	79

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

23) Bromochloromethane	5.00	128	977	0.251	ug/L #	82
25) Chloroform	5.11	83	5610	0.346	ug/L	99
27) 1,2-Dichloroethane	5.81	62	3128	0.264	ug/L #	95
29) 1,1,1-Trichloroethane	5.33	97	3502	0.249	ug/L	96
30) Cyclohexane	5.40	56	2966	0.228	ug/L	96
31) Carbon tetrachloride	5.54	117	3022	0.252	ug/L	97
33) Benzene	5.79	78	8318	0.253	ug/L	100
34) Trichloroethene	6.56	95	2413	0.276	ug/L	83
35) Methylcyclohexane	6.77	83	3140	0.258	ug/L #	90
37) 1,2-Dichloropropane	6.80	63	2411	0.258	ug/L #	89
38) Bromodichloromethane	7.11	83	2900	0.249	ug/L #	99
39) cis-1,3-Dichloropropene	7.61	75	2851	0.231	ug/L	94
40) 4-Methyl-2-pentanone	7.80	43	16130	2.287	ug/L #	88
42) Toluene	7.97	91	7644	0.230	ug/L	99
44) trans-1,3-Dichloropropene	8.21	75	3600	0.313	ug/L	95
45) 1,1,2-Trichloroethane	8.40	97	1706	0.256	ug/L	98
47) Tetrachloroethene	8.56	164	1420	0.234	ug/L	82
48) 2-Hexanone	8.69	43	16279	3.077	ug/L	97
49) Dibromochloromethane	8.81	129	1986	0.258	ug/L	91
50) 1,2-Dibromoethane	8.93	107	1438	0.230	ug/L #	89
51) Chlorobenzene	9.45	112	5134	0.241	ug/L	96
52) Ethylbenzene	9.57	91	7684	0.223	ug/L	95
53) m,p-Xylene	9.69	106	2773	0.222	ug/L	92
54) o-Xylene	10.10	106	2527	0.212	ug/L	81
55) Styrene	10.11	104	4063	0.196	ug/L	95
57) 1,1,2,2-Tetrachloroethane	10.78	83	2076	0.241	ug/L	79
59) Bromoform	10.29	173	921	0.239	ug/L #	93
60) Isopropylbenzene	10.48	105	6394	0.223	ug/L	97
61) 1,2,3-Trichloropropane	10.82	75	1749	0.293	ug/L	92
62) 1,3,5-Trimethylbenzene	11.09	105	4836	0.210	ug/L	96
63) 1,2,4-Trimethylbenzene	11.47	105	4788	0.205	ug/L	93
64) 1,3-Dichlorobenzene	11.74	146	3539	0.247	ug/L	92
65) 1,4-Dichlorobenzene	11.83	146	3961	0.271	ug/L	97
67) 1,2-Dichlorobenzene	12.20	146	3597	0.259	ug/L	99
68) 1,2-Dibromo-3-chloropropan	12.99	75	169	0.123	ug/L #	89
69) 1,3,5-Trichlorobenzene	13.21	180	2630	0.268	ug/L	91
70) 1,2,4-trichlorobenzene	13.83	180	1733	0.209	ug/L	97
71) Naphthalene	14.08	128	2238	0.154	ug/L #	87
72) 1,2,3-Trichlorobenzene	14.32	180	1402	0.181	ug/L #	90

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

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