

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU092520\
 Data File : VU040284.D
 Acq On : 24 Sep 2020 20:53
 Operator : SY/MD
 Sample : L4485-09
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleID :
 MDL-WATER-02

Quant Time: Sep 25 03:22:56 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SFAMUTR092420WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Fri Sep 25 02:46:27 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.26	114	202695	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.42	117	202318	5.00	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.81	152	94384	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.60	65	65258	4.94	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	98.80%
7) Chloroethane-d5	1.92	69	55775	5.11	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	102.20%
11) 1,1-Dichloroethene-d2	2.58	65	33654	5.01	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	100.20%
20) 2-Butanone-d5	4.66	46	256294	51.95	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	103.90%
24) Chloroform-d	5.08	84	128191	4.88	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	97.60%
26) 1,2-Dichloroethane-d4	5.72	65	81484	4.97	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	99.40%
32) Benzene-d6	5.75	84	252629	4.89	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	97.80%
36) 1,2-Dichloropropane-d6	6.70	67	83947	4.93	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	98.60%
41) Toluene-d8	7.91	98	217870	4.74	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	94.80%
43) trans-1,3-Dichloropropene-	8.19	79	30977	4.44	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	88.80%
46) 2-Hexanone-d5	8.64	63	181072	50.69	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	101.38%
56) 1,1,2,2-Tetrachloroethane-	10.75	84	70306	4.84	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	96.80%
66) 1,2-Dichlorobenzene-d4	12.19	152	83151	5.21	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	104.20%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	1.39	85	4436	0.210	ug/L	99
3) Chloromethane	1.53	50	4599	0.221	ug/L	94
5) Vinyl chloride	1.61	62	4298	0.210	ug/L #	65
6) Bromomethane	1.87	94	2389	0.218	ug/L	88
8) Chloroethane	1.94	64	2931	0.240	ug/L	91
9) Trichlorofluoromethane	2.15	101	5802	0.210	ug/L	99
10) 1,1,2-Trichloro-1,2,2-trif	2.59	101	4024	0.236	ug/L	97
12) 1,1-Dichloroethene	2.59	96	4001	0.253	ug/L #	1
13) Acetone	2.67	43	9041m	2.262	ug/L	
14) Carbon disulfide	2.81	76	12939	0.234	ug/L	99
15) Methyl Acetate	2.97	43	2144m	0.221	ug/L	
16) Methylene chloride	3.06	84	6903	0.348	ug/L	92
17) Methyl tert-butyl Ether	3.39	73	9258	0.220	ug/L	97
18) trans-1,2-Dichloroethene	3.37	96	3752	0.225	ug/L	84
19) 1,1-Dichloroethane	3.89	63	6913	0.210	ug/L	89
21) 2-Butanone	4.74	43	11806m	1.834	ug/L	
22) cis-1,2-Dichloroethene	4.69	96	3758	0.215	ug/L #	83

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

23) Bromochloromethane	4.99	128	1637	0.200	ug/L	89
25) Chloroform	5.10	83	11548	0.350	ug/L	90
27) 1,2-Dichloroethane	5.81	62	5346	0.226	ug/L #	95
29) 1,1,1-Trichloroethane	5.34	97	5938	0.209	ug/L	96
30) Cyclohexane	5.40	56	6453	0.208	ug/L	96
31) Carbon tetrachloride	5.54	117	4753	0.196	ug/L	87
33) Benzene	5.79	78	15037m	0.214	ug/L	
34) Trichloroethene	6.56	95	4162	0.228	ug/L	80
35) Methylcyclohexane	6.77	83	5465	0.192	ug/L	93
37) 1,2-Dichloropropane	6.80	63	4237	0.217	ug/L #	92
38) Bromodichloromethane	7.11	83	4682	0.196	ug/L	93
39) cis-1,3-Dichloropropene	7.62	75	5351	0.202	ug/L	92
40) 4-Methyl-2-pentanone	7.80	43	28447	1.906	ug/L #	90
42) Toluene	7.97	91	14041	0.198	ug/L	99
44) trans-1,3-Dichloropropene	8.21	75	5114	0.208	ug/L #	72
45) 1,1,2-Trichloroethane	8.40	97	2627	0.198	ug/L	92
47) Tetrachloroethene	8.56	164	2355	0.179	ug/L #	83
48) 2-Hexanone	8.69	43	27272	2.501	ug/L #	95
49) Dibromochloromethane	8.81	129	3106	0.203	ug/L	96
50) 1,2-Dibromoethane	8.93	107	2666	0.207	ug/L #	78
51) Chlorobenzene	9.45	112	9997	0.219	ug/L	92
52) Ethylbenzene	9.57	91	15167	0.193	ug/L	99
53) m,p-Xylene	9.69	106	6013	0.213	ug/L	86
54) o-Xylene	10.10	106	5148	0.189	ug/L	91
55) Styrene	10.11	104	8095	0.172	ug/L	90
57) 1,1,2,2-Tetrachloroethane	10.78	83	3914	0.223	ug/L #	95
59) Bromoform	10.29	173	1460	0.190	ug/L #	94
60) Isopropylbenzene	10.48	105	12523	0.189	ug/L	95
61) 1,2,3-Trichloropropane	10.82	75	2697	0.220	ug/L	97
62) 1,3,5-Trimethylbenzene	11.08	105	10105	0.189	ug/L	92
63) 1,2,4-Trimethylbenzene	11.46	105	9202	0.170	ug/L	100
64) 1,3-Dichlorobenzene	11.74	146	7069	0.216	ug/L	99
65) 1,4-Dichlorobenzene	11.83	146	7052	0.209	ug/L	89
67) 1,2-Dichlorobenzene	12.21	146	7028	0.226	ug/L	91
68) 1,2-Dibromo-3-chloropropan	12.99	75	667	0.232	ug/L	88
69) 1,3,5-Trichlorobenzene	13.21	180	4939	0.214	ug/L	96
70) 1,2,4-trichlorobenzene	13.83	180	3432	0.184	ug/L	99
71) Naphthalene	14.08	128	4905	0.152	ug/L #	90
72) 1,2,3-Trichlorobenzene	14.32	180	3182	0.191	ug/L	93

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

