

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU092420\
 Data File : VU040269.D
 Acq On : 24 Sep 2020 13:27
 Operator : SY/MD
 Sample : L4485-09
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleID :
 MDL-WATER-02

Quant Time: Sep 25 09:55:50 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SFAMULM092420WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Sep 25 09:34:00 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.26	114	416320	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.42	117	403591	50.00	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.81	152	191193	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.60	65	152600	44.08	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	88.16%
7) Chloroethane-d5	1.92	69	115632	44.54	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	89.08%
11) 1,1-Dichloroethene-d2	2.58	63	232105	34.50	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	69.00%
21) 2-Butanone-d5	4.65	46	314981	107.38	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	107.38%
24) Chloroform-d	5.08	84	270660	43.97	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	87.94%
26) 1,2-Dichloroethane-d4	5.72	65	197221	45.34	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	90.68%
32) Benzene-d6	5.75	84	532991	46.64	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	93.28%
36) 1,2-Dichloropropane-d6	6.70	67	179078	46.28	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	92.56%
41) Toluene-d8	7.91	98	466332	45.24	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	90.48%
43) trans-1,3-Dichloropropene-	8.19	79	87988	44.72	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	89.44%
47) 2-Hexanone-d5	8.64	63	183907	107.28	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	107.28%
56) 1,1,2,2-Tetrachloroethane-	10.75	84	254065	46.39	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	92.78%
66) 1,2-Dichlorobenzene-d4	12.19	152	184957	50.28	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	100.56%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	1.39	85	6379	2.152	ug/L	93
3) Chloromethane	1.53	50	8197	2.284	ug/L	97
5) Vinyl chloride	1.61	62	8083	2.257	ug/L #	67
6) Bromomethane	1.86	94	3721	2.011	ug/L	100
8) Chloroethane	1.94	64	5401	2.348	ug/L	95
9) Trichlorofluoromethane	2.15	101	9997	2.013	ug/L	90
10) 1,1,2-Trichloro-1,2,2-trif	2.59	101	8466	2.678	ug/L #	85
12) 1,1-Dichloroethene	2.59	96	7793	2.639	ug/L #	1
13) Acetone	2.65	43	14248	4.571	ug/L	99
14) Carbon disulfide	2.81	76	21391	2.277	ug/L	98
15) Methyl Acetate	2.97	43	10795	2.310	ug/L	97
16) Methylene chloride	3.06	84	8306	2.374	ug/L	95
17) trans-1,2-Dichloroethene	3.37	96	6528	2.137	ug/L	87
18) Methyl tert-butyl Ether	3.38	73	21599	2.149	ug/L	99
19) 1,1-Dichloroethane	3.89	63	12990m	2.029	ug/L	
20) cis-1,2-Dichloroethene	4.68	96	7204	2.155	ug/L	89
22) 2-Butanone	4.73	43	17216m	4.656	ug/L	

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	5.00	128	4073	2.324	ug/L	88
25) Chloroform	5.11	83	20920	3.234	ug/L	99
27) 1,2-Dichloroethane	5.81	62	12769	2.334	ug/L	97
29) Cyclohexane	5.40	56	10782	1.933	ug/L	95
30) 1,1,1-Trichloroethane	5.34	97	12054	2.279	ug/L #	82
31) Carbon tetrachloride	5.54	117	10201	2.231	ug/L	96
33) Benzene	5.79	78	30683	2.302	ug/L	100
34) Trichloroethene	6.56	95	7379	2.161	ug/L	97
35) Methylcyclohexane	6.77	83	10529	2.006	ug/L	96
37) 1,2-Dichloropropane	6.80	63	8065	2.151	ug/L #	96
38) Bromodichloromethane	7.11	83	10634	2.235	ug/L #	91
39) cis-1,3-Dichloropropene	7.62	75	11023	2.039	ug/L	99
40) 4-Methyl-2-pentanone	7.80	43	26234	4.308	ug/L	98
42) Toluene	7.97	91	28924	2.146	ug/L	98
44) trans-1,3-Dichloropropene	8.22	75	10870	1.989	ug/L	93
45) 1,1,2-Trichloroethane	8.40	97	7142	2.193	ug/L	97
46) Tetrachloroethene	8.56	164	5449	2.278	ug/L	90
48) 2-Hexanone	8.69	43	28145	5.771	ug/L	96
49) Dibromochloromethane	8.81	129	7580	2.123	ug/L	97
50) 1,2-Dibromoethane	8.93	107	7575	2.167	ug/L	93
51) Chlorobenzene	9.45	112	19729	2.219	ug/L	94
52) Ethylbenzene	9.57	91	29962	1.995	ug/L	100
53) m,p-Xylene	9.69	106	10571	1.937	ug/L	88
54) o-xylene	10.10	106	9494	1.781	ug/L	89
55) Styrene	10.11	104	16141	1.769	ug/L	98
57) 1,1,2,2-Tetrachloroethane	10.78	83	13300	2.322	ug/L #	95
59) Bromoform	10.29	173	4947	2.118	ug/L	99
60) 1,2,3-Trichloropropane	10.82	75	10845	2.396	ug/L	96
61) Isopropylbenzene	10.48	105	25112	1.896	ug/L	100
62) 1,3,5-Trimethylbenzene	11.09	105	20448	1.890	ug/L	99
63) 1,2,4-Trimethylbenzene	11.46	105	18658	1.702	ug/L	99
64) 1,3-Dichlorobenzene	11.74	146	13751	2.194	ug/L	93
65) 1,4-Dichlorobenzene	11.83	146	15784	2.424	ug/L	94
67) 1,2-Dichlorobenzene	12.21	146	15665	2.510	ug/L	96
68) 1,2-Dibromo-3-chloropropan	12.99	75	3379	2.648	ug/L #	83
69) 1,3,5-Trichlorobenzene	13.21	180	9450	2.314	ug/L	97
70) 1,2,4-trichlorobenzene	13.83	180	7783	2.207	ug/L	98
71) Naphthalene	14.08	128	19000	1.740	ug/L #	96
72) 1,2,3-Trichlorobenzene	14.32	180	7698	2.213	ug/L	97

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

