

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV092320\
 Data File : VV018414.D
 Acq On : 23 Sep 2020 15:40
 Operator : SY/MD
 Sample : MDL03
 Misc : 5.0mL/MSVOA V/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 MDL03

Manual Integrations
 APPROVED

MMDadoda
 10/5/2020 1:22:52 PM

Quant Time: Sep 24 08:12:52 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SFAMVLM092320W.M
 Quant Title : VOC Analysis
 QLast Update : Thu Sep 24 07:48:50 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	291977	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	287030	50.00	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.27	152	146784	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	79797	44.05	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	88.10%
7) Chloroethane-d5	1.58	69	71819	46.05	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	92.10%
11) 1,1-Dichloroethene-d2	2.12	63	127313	33.52	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	67.04%
21) 2-Butanone-d5	3.92	46	128365	98.84	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	98.84%
24) Chloroform-d	4.38	84	168825	44.44	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	88.88%
26) 1,2-Dichloroethane-d4	5.06	65	113770	47.72	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	95.44%
32) Benzene-d6	5.08	84	339557	47.48	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	94.96%
36) 1,2-Dichloropropane-d6	6.09	67	112252	48.17	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	96.34%
41) Toluene-d8	7.34	98	309381	46.76	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	93.52%
43) trans-1,3-Dichloropropene-	7.64	79	54262	46.40	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	92.80%
47) 2-Hexanone-d5	8.11	63	80311	93.62	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	93.62%
56) 1,1,2,2-Tetrachloroethane-	10.24	84	134659	44.99	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	89.98%
66) 1,2-Dichlorobenzene-d4	11.65	152	134013	49.04	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	98.08%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.14	85	3818	1.772 ug/L	99
3) Chloromethane	1.25	50	4691	1.963 ug/L	95
5) Vinyl chloride	1.32	62	4926	2.014 ug/L #	67
6) Bromomethane	1.53	94	3054	1.965 ug/L	94
8) Chloroethane	1.60	64	3052	1.936 ug/L	99
9) Trichlorofluoromethane	1.77	101	6394	1.839 ug/L	100
10) 1,1,2-Trichloro-1,2,2-trif	2.13	101	4947	2.320 ug/L #	81
12) 1,1-Dichloroethene	2.13	96	4733	2.334 ug/L #	1
13) Acetone	2.20	43	6468	3.938 ug/L	99
14) Carbon disulfide	2.31	76	11198	1.945 ug/L	99
15) Methyl Acetate	2.46	43	3735	1.723 ug/L	100
16) Methylene chloride	2.53	84	4914	2.141 ug/L	95
17) trans-1,2-Dichloroethene	2.78	96	3940	1.920 ug/L	96
18) Methyl tert-butyl Ether	2.79	73	11314	1.774 ug/L	98
19) 1,1-Dichloroethane	3.22	63	7312	1.835 ug/L	95
20) cis-1,2-Dichloroethene	3.94	96	4060	1.835 ug/L	94
22) 2-Butanone	4.04	43	4267m	2.617 ug/L	

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.29	128	2178	1.838	ug/L	79
25) Chloroform	4.41	83	9588	2.380	ug/L	99
27) 1,2-Dichloroethane	5.17	62	6035	1.933	ug/L	97
29) Cyclohexane	4.71	56	5871	1.758	ug/L	98
30) 1,1,1-Trichloroethane	4.64	97	6265	1.775	ug/L	96
31) Carbon tetrachloride	4.86	117	5150	1.673	ug/L	93
33) Benzene	5.13	78	16766	1.950	ug/L	100
34) Trichloroethene	5.94	95	4792	2.028	ug/L	97
35) Methylcyclohexane	6.15	83	5888	1.716	ug/L	99
37) 1,2-Dichloropropane	6.21	63	3999	1.759	ug/L	99
38) Bromodichloromethane	6.54	83	5346	1.797	ug/L	100
39) cis-1,3-Dichloropropene	7.06	75	6357	1.864	ug/L	93
40) 4-Methyl-2-pentanone	7.25	43	8697	3.224	ug/L	99
42) Toluene	7.41	91	16554	1.836	ug/L	99
44) trans-1,3-Dichloropropene	7.68	75	5919	1.751	ug/L	94
45) 1,1,2-Trichloroethane	7.86	97	3923	1.833	ug/L	97
46) Tetrachloroethene	8.00	164	3193	1.725	ug/L	91
48) 2-Hexanone	8.17	43	12235	5.352	ug/L #	96
49) Dibromochloromethane	8.27	129	4352	1.826	ug/L	96
50) 1,2-Dibromoethane	8.38	107	4074	1.828	ug/L #	97
51) Chlorobenzene	8.90	112	11336	1.881	ug/L	95
52) Ethylbenzene	9.04	91	17027	1.716	ug/L	98
53) m,p-Xylene	9.16	106	5937	1.602	ug/L	100
54) o-Xylene	9.57	106	5719	1.602	ug/L	90
55) Styrene	9.59	104	9212	1.475	ug/L	98
57) 1,1,2,2-Tetrachloroethane	10.26	83	6199	1.986	ug/L	97
59) Bromoform	9.75	173	2806	1.710	ug/L #	94
60) Isopropylbenzene	9.95	105	14658	1.620	ug/L	99
61) 1,2,3-Trichloropropane	10.30	75	5372	2.109	ug/L	94
62) 1,3,5-Trimethylbenzene	10.56	105	11061	1.510	ug/L	100
63) 1,2,4-Trimethylbenzene	10.94	105	10842	1.442	ug/L	98
64) 1,3-Dichlorobenzene	11.21	146	8825	1.919	ug/L	96
65) 1,4-Dichlorobenzene	11.30	146	9432	1.957	ug/L	97
67) 1,2-Dichlorobenzene	11.67	146	9202	1.990	ug/L	96
68) 1,2-Dibromo-3-chloropropan	12.45	75	1119	1.739	ug/L	92
69) 1,3,5-Trichlorobenzene	12.67	180	6591	1.838	ug/L	98
70) 1,2,4-trichlorobenzene	13.29	180	5636	1.754	ug/L	97
71) Naphthalene	13.53	128	11714	1.406	ug/L	99
72) 1,2,3-Trichlorobenzene	13.77	180	5459	1.691	ug/L	100

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

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