

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV092320\
 Data File : VV018412.D
 Acq On : 23 Sep 2020 14:27
 Operator : SY/MD
 Sample : MDL01
 Misc : 5.0mL/MSVOA V/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 MDL01

Manual Integrations
 APPROVED

MMDadoda
 10/5/2020 1:22:43 PM

Quant Time: Sep 24 08:09:36 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	293272	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	290192	50.00	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.27	152	146154	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	82643	45.42	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	90.84%
7) Chloroethane-d5	1.58	69	72133	46.05	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	92.10%
11) 1,1-Dichloroethene-d2	2.12	63	129257	33.88	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	67.76%
21) 2-Butanone-d5	3.92	46	127131	97.46	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	97.46%
24) Chloroform-d	4.38	84	170089	44.57	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	89.14%
26) 1,2-Dichloroethane-d4	5.06	65	114443	47.79	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	95.58%
32) Benzene-d6	5.08	84	342582	47.38	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	94.76%
36) 1,2-Dichloropropane-d6	6.09	67	112358	47.69	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	95.38%
41) Toluene-d8	7.34	98	312444	46.71	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	93.42%
43) trans-1,3-Dichloropropene-	7.64	79	53591	45.33	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	90.66%
47) 2-Hexanone-d5	8.11	63	79782	91.99	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	91.99%
56) 1,1,2,2-Tetrachloroethane-	10.24	84	135745	44.86	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	89.72%
66) 1,2-Dichlorobenzene-d4	11.65	152	137014	50.36	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	100.72%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	1.14	85	4188	1.935	ug/L	99
3) Chloromethane	1.25	50	5348	2.228	ug/L	96
5) Vinyl chloride	1.32	62	5683	2.313	ug/L #	72
6) Bromomethane	1.53	94	3458	2.215	ug/L	97
8) Chloroethane	1.60	64	3470	2.192	ug/L	98
9) Trichlorofluoromethane	1.77	101	7081	2.027	ug/L	95
10) 1,1,2-Trichloro-1,2,2-trif	2.13	101	5390	2.517	ug/L	85
12) 1,1-Dichloroethene	2.13	96	5279	2.592	ug/L #	1
13) Acetone	2.21	43	7409	4.491	ug/L	95
14) Carbon disulfide	2.31	76	13075	2.261	ug/L	98
15) Methyl Acetate	2.46	43	4816	2.212	ug/L	93
16) Methylene chloride	2.53	84	5640	2.446	ug/L	98
17) trans-1,2-Dichloroethene	2.78	96	4257	2.065	ug/L	94
18) Methyl tert-butyl Ether	2.79	73	13453	2.100	ug/L	98
19) 1,1-Dichloroethane	3.21	63	8554	2.137	ug/L	96
20) cis-1,2-Dichloroethene	3.94	96	4656	2.095	ug/L	91
22) 2-Butanone	4.04	43	5251m	3.206	ug/L	

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.29	128	2395	2.012	ug/L	95
25) Chloroform	4.41	83	10450	2.583	ug/L	96
27) 1,2-Dichloroethane	5.17	62	6932	2.211	ug/L	98
29) Cyclohexane	4.70	56	6563	1.943	ug/L	96
30) 1,1,1-Trichloroethane	4.64	97	7502	2.102	ug/L	98
31) Carbon tetrachloride	4.86	117	6443	2.071	ug/L	97
33) Benzene	5.13	78	19533	2.247	ug/L	100
34) Trichloroethene	5.94	95	5318	2.226	ug/L	96
35) Methylcyclohexane	6.16	83	6361	1.834	ug/L	95
37) 1,2-Dichloropropane	6.20	63	5184	2.256	ug/L #	95
38) Bromodichloromethane	6.54	83	6043	2.009	ug/L	95
39) cis-1,3-Dichloropropene	7.06	75	7208	2.091	ug/L	96
40) 4-Methyl-2-pentanone	7.25	43	10521	3.858	ug/L	96
42) Toluene	7.41	91	19477	2.136	ug/L	93
44) trans-1,3-Dichloropropene	7.68	75	6880	2.013	ug/L	98
45) 1,1,2-Trichloroethane	7.87	97	4632	2.140	ug/L	98
46) Tetrachloroethene	8.00	164	3902	2.086	ug/L	95
48) 2-Hexanone	8.16	43	14466	6.258	ug/L	91
49) Dibromochloromethane	8.27	129	4845	2.011	ug/L	99
50) 1,2-Dibromoethane	8.38	107	4612	2.047	ug/L	93
51) Chlorobenzene	8.90	112	12992	2.132	ug/L	93
52) Ethylbenzene	9.04	91	19593	1.953	ug/L	97
53) m,p-Xylene	9.16	106	6798	1.814	ug/L	98
54) o-Xylene	9.57	106	6325	1.752	ug/L	100
55) Styrene	9.59	104	10510	1.664	ug/L	94
57) 1,1,2,2-Tetrachloroethane	10.26	83	7161	2.270	ug/L	99
59) Bromoform	9.76	173	3152	1.929	ug/L #	95
60) Isopropylbenzene	9.96	105	17361	1.927	ug/L	99
61) 1,2,3-Trichloropropane	10.30	75	5780	2.279	ug/L	94
62) 1,3,5-Trimethylbenzene	10.56	105	12825	1.759	ug/L	100
63) 1,2,4-Trimethylbenzene	10.94	105	12663	1.691	ug/L	98
64) 1,3-Dichlorobenzene	11.21	146	10065	2.198	ug/L	94
65) 1,4-Dichlorobenzene	11.30	146	10999	2.292	ug/L	99
67) 1,2-Dichlorobenzene	11.67	146	10779	2.342	ug/L	96
68) 1,2-Dibromo-3-chloropropan	12.45	75	1252	1.954	ug/L	86
69) 1,3,5-Trichlorobenzene	12.67	180	7684	2.152	ug/L	99
70) 1,2,4-trichlorobenzene	13.29	180	6313	1.974	ug/L	98
71) Naphthalene	13.53	128	13539	1.632	ug/L	100
72) 1,2,3-Trichlorobenzene	13.77	180	6154	1.914	ug/L	99

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

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