

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV102820\
 Data File : VV019135.D
 Acq On : 28 Oct 2020 12:11
 Operator : SY/MD
 Sample : MDL01
 Misc : 5.0µ/5.0mL/100µL/5.0mL/MSVOA_V/MEOH
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 MDL01

Manual Integrations
 APPROVED

MMDadoda
 10/29/2020 2:58:13 PM

Quant Time: Oct 29 03:25:53 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM102220WMA.M
 Quant Title : VOC Analysis
 QLast Update : Thu Oct 29 03:08:29 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	238090	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	230487	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.27	152	119828	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	80307	37.13	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	74.26%
7) Chloroethane-d5	1.58	69	67519	38.78	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	77.56%
11) 1,1-Dichloroethene-d2	2.12	63	135882	33.54	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	67.08%
21) 2-Butanone-d5	3.90	46	111288	76.50	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	76.50%
24) Chloroform-d	4.37	84	167407	44.25	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	88.50%
26) 1,2-Dichloroethane-d4	5.05	65	118486	46.59	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	93.18%
32) Benzene-d6	5.07	84	316245	44.86	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	89.72%
36) 1,2-Dichloropropane-d6	6.09	67	97468	42.68	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	85.36%
41) Toluene-d8	7.33	98	289861	45.97	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	91.94%
43) trans-1,3-Dichloropropene-	7.64	79	51875	44.33	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	88.66%
47) 2-Hexanone-d5	8.10	63	82410	82.99	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	82.99%
57) 1,1,2,2-Tetrachloroethane-	10.23	84	125069	41.15	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	82.30%
64) 1,2-Dichlorobenzene-d4	11.65	152	123177	49.01	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	98.02%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	1.14	85	4742	2.557	ug/L	98
3) Chloromethane	1.25	50	4948	2.145	ug/L	97
5) Vinyl chloride	1.32	62	5443	2.396	ug/L #	70
6) Bromomethane	1.53	94	3440	2.646	ug/L	95
8) Chloroethane	1.60	64	3678	2.581	ug/L	96
9) Trichlorofluoromethane	1.76	101	8682	2.905	ug/L	95
10) 1,1,2-Trichloro-1,2,2-trif	2.13	101	5312	3.342	ug/L	94
12) 1,1-Dichloroethene	2.13	96	5312	3.340	ug/L #	1
13) Acetone	2.19	43	6384	6.475	ug/L	92
14) Carbon disulfide	2.31	76	12803	2.442	ug/L	99
15) Methyl Acetate	2.45	43	4608	2.224	ug/L	93
16) Methylene chloride	2.52	84	5271	2.844	ug/L	94
17) trans-1,2-Dichloroethene	2.78	96	4386	2.610	ug/L	96
18) Methyl tert-butyl Ether	2.78	73	13732	2.520	ug/L	97
19) 1,1-Dichloroethane	3.21	63	8677	2.557	ug/L	98
20) cis-1,2-Dichloroethene	3.94	96	4832	2.689	ug/L	95
22) 2-Butanone	4.02	43	5190m	3.840	ug/L	

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

23) Bromochloromethane	4.28	128	2336	2.554	ug/L #	84
25) Chloroform	4.40	83	10654	3.188	ug/L	89
27) 1,2-Dichloroethane	5.16	62	7991	2.881	ug/L	97
29) Cyclohexane	4.70	56	6016	2.181	ug/L	88
30) 1,1,1-Trichloroethane	4.63	97	7962	2.774	ug/L	95
31) Carbon tetrachloride	4.85	117	7535	3.012	ug/L	97
33) Benzene	5.13	78	18933	2.683	ug/L	100
34) Trichloroethene	5.94	95	5097	2.859	ug/L	97
35) Methylcyclohexane	6.15	83	5998	2.459	ug/L #	89
37) 1,2-Dichloropropane	6.20	63	4866	2.505	ug/L #	91
38) Bromodichloromethane	6.54	83	6816	2.773	ug/L	93
39) cis-1,3-Dichloropropene	7.05	75	7124	2.482	ug/L	99
40) 4-Methyl-2-pentanone	7.25	43	10877	4.150	ug/L	97
42) Toluene	7.41	91	19137	2.642	ug/L	99
44) trans-1,3-Dichloropropene	7.67	75	7526	2.643	ug/L	94
45) 1,1,2-Trichloroethane	7.86	97	4451	2.594	ug/L	94
46) Tetrachloroethene	7.99	164	4001	2.924	ug/L	98
48) 2-Hexanone	8.16	43	11139	5.508	ug/L	96
49) Dibromochloromethane	8.27	129	5248	2.799	ug/L	93
50) 1,2-Dibromoethane	8.38	107	4513	2.535	ug/L	96
51) Chlorobenzene	8.90	112	13248	2.852	ug/L	96
52) Ethylbenzene	9.04	91	19880	2.538	ug/L	97
53) m,p-Xylene	9.16	106	7265	2.534	ug/L	99
54) o-xylene	9.57	106	6608	2.394	ug/L	99
55) Styrene	9.58	104	11577	2.364	ug/L	97
56) Isopropylbenzene	9.95	105	17477	2.408	ug/L	96
58) 1,1,1,2,2-Tetrachloroethane	10.26	83	7396	2.620	ug/L #	98
59) 1,2,3-Trichloropropane	10.29	75	5744	2.529	ug/L	99
61) Bromoform	9.76	173	3917	2.903	ug/L	99
62) 1,3-Dichlorobenzene	11.21	146	9647	2.683	ug/L	93
63) 1,4-Dichlorobenzene	11.29	146	10885	2.897	ug/L	97
65) 1,2-Dichlorobenzene	11.67	146	11302	3.117	ug/L	98
66) 1,2-Dibromo-3-chloropropan	12.45	75	1583	2.471	ug/L	92
67) 1,3,5-Trichlorobenzene	12.67	180	7111	2.896	ug/L	98
68) 1,2,4-trichlorobenzene	13.29	180	6270	2.708	ug/L	99
69) Naphthalene	13.53	128	13910	1.950	ug/L	98
70) 1,2,3-Trichlorobenzene	13.77	180	6188	2.638	ug/L	94

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

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