

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV091020\
 Data File : VV018183.D
 Acq On : 10 Sep 2020 16:42
 Operator : SY/MD
 Sample : MDL01
 Misc : 5.0mL/MSVOA V/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 MDL01

Manual Integrations
 APPROVED

MMDadoda
 9/11/2020 10:28:37 AM

Quant Time: Sep 11 03:15:51 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM090920WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Sep 11 01:30:09 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	304995	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	299533	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.27	152	156029	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	103648	41.70	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	83.40%
7) Chloroethane-d5	1.58	69	90110	44.30	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	88.60%
11) 1,1-Dichloroethene-d2	2.12	63	158849	34.84	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	69.68%
21) 2-Butanone-d5	3.91	46	141832	93.23	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	93.23%
24) Chloroform-d	4.38	84	191030	44.30	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	88.60%
26) 1,2-Dichloroethane-d4	5.06	65	130063	47.05	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	94.10%
32) Benzene-d6	5.08	84	395264	46.10	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	92.20%
36) 1,2-Dichloropropane-d6	6.09	67	127463	46.78	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	93.56%
41) Toluene-d8	7.34	98	354997	45.43	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	90.86%
43) trans-1,3-Dichloropropene-	7.64	79	62326	45.02	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	90.04%
47) 2-Hexanone-d5	8.11	63	92213	89.35	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	89.35%
57) 1,1,2,2-Tetrachloroethane-	10.24	84	156562	45.78	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	91.56%
64) 1,2-Dichlorobenzene-d4	11.65	152	153019	47.75	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	95.50%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.14	85	5864	2.637 ug/L	100
3) Chloromethane	1.25	50	6341	2.611 ug/L	94
5) Vinyl chloride	1.32	62	7433	2.985 ug/L #	72
6) Bromomethane	1.53	94	4086	2.684 ug/L	100
8) Chloroethane	1.60	64	4448	2.851 ug/L	94
9) Trichlorofluoromethane	1.77	101	9178	2.679 ug/L	99
10) 1,1,2-Trichloro-1,2,2-trif	2.13	101	6698	3.254 ug/L	86
12) 1,1-Dichloroethene	2.13	96	6836	3.414 ug/L #	1
13) Acetone	2.20	43	7299	5.991 ug/L	90
14) Carbon disulfide	2.31	76	16579	2.706 ug/L	99
15) Methyl Acetate	2.46	43	5828	2.662 ug/L	92
16) Methylene chloride	2.53	84	6650	2.961 ug/L	93
17) trans-1,2-Dichloroethene	2.78	96	5484	2.657 ug/L	98
18) Methyl tert-butyl Ether	2.79	73	16136	2.528 ug/L	99
19) 1,1-Dichloroethane	3.22	63	10099	2.588 ug/L	97
20) cis-1,2-Dichloroethene	3.95	96	6089	2.760 ug/L	95
22) 2-Butanone	4.02	43	8149m	5.649 ug/L	

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.29	128	3169	2.745	ug/L	90
25) Chloroform	4.41	83	17145	4.322	ug/L	99
27) 1,2-Dichloroethane	5.17	62	7748	2.523	ug/L	99
29) Cyclohexane	4.71	56	8764	2.534	ug/L	99
30) 1,1,1-Trichloroethane	4.64	97	9011	2.592	ug/L	99
31) Carbon tetrachloride	4.86	117	7784	2.547	ug/L	99
33) Benzene	5.13	78	23153	2.704	ug/L	100
34) Trichloroethene	5.95	95	6524	2.796	ug/L	97
35) Methylcyclohexane	6.15	83	8897	2.533	ug/L	100
37) 1,2-Dichloropropane	6.20	63	5621	2.477	ug/L #	97
38) Bromodichloromethane	6.54	83	7347	2.488	ug/L	99
39) cis-1,3-Dichloropropene	7.06	75	8279	2.368	ug/L	100
40) 4-Methyl-2-pentanone	7.25	43	12935	4.698	ug/L	97
42) Toluene	7.41	91	24181	2.668	ug/L	98
44) trans-1,3-Dichloropropene	7.68	75	8835	2.595	ug/L	94
45) 1,1,2-Trichloroethane	7.87	97	5659	2.690	ug/L	95
46) Tetrachloroethene	8.00	164	4896	2.677	ug/L	98
48) 2-Hexanone	8.16	43	18156	8.365	ug/L	96
49) Dibromochloromethane	8.27	129	5605	2.374	ug/L	94
50) 1,2-Dibromoethane	8.38	107	5868	2.651	ug/L #	98
51) Chlorobenzene	8.90	112	16271	2.764	ug/L	96
52) Ethylbenzene	9.04	91	24917	2.518	ug/L	99
53) m,p-Xylene	9.16	106	8773	2.375	ug/L	94
54) o-xylene	9.57	106	8756	2.461	ug/L	96
55) Styrene	9.59	104	13557	2.192	ug/L	98
56) Isopropylbenzene	9.95	105	22023	2.297	ug/L	98
58) 1,1,1,2,2-Tetrachloroethane	10.26	83	8452	2.716	ug/L #	96
59) 1,2,3-Trichloropropane	10.30	75	7255	2.718	ug/L	99
61) Bromoform	9.76	173	3928	2.343	ug/L #	98
62) 1,3-Dichlorobenzene	11.21	146	12334	2.658	ug/L	99
63) 1,4-Dichlorobenzene	11.30	146	13107	2.748	ug/L	97
65) 1,2-Dichlorobenzene	11.67	146	13239	2.823	ug/L	93
66) 1,2-Dibromo-3-chloropropan	12.45	75	1535	2.320	ug/L	90
67) 1,3,5-Trichlorobenzene	12.67	180	9710	2.655	ug/L	97
68) 1,2,4-trichlorobenzene	13.29	180	7915	2.430	ug/L	100
69) Naphthalene	13.53	128	16048	1.947	ug/L	99
70) 1,2,3-Trichlorobenzene	13.77	180	7550	2.353	ug/L	99

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

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