

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV092320\
 Data File : VV018413.D
 Acq On : 23 Sep 2020 15:17
 Operator : SY/MD
 Sample : MDL02
 Misc : 5.0mL/MSVOA V/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 MDL02

Manual Integrations
 APPROVED

MMDadoda
 10/5/2020 1:22:47 PM

Quant Time: Sep 24 08:11:40 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	292633	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	289527	50.00	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.27	152	146980	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	84137	46.34	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	92.68%
7) Chloroethane-d5	1.58	69	74956	47.96	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	95.92%
11) 1,1-Dichloroethene-d2	2.12	63	131751	34.61	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	69.22%
21) 2-Butanone-d5	3.92	46	131538	101.06	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	101.06%
24) Chloroform-d	4.37	84	174879	45.93	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	91.86%
26) 1,2-Dichloroethane-d4	5.05	65	116546	48.77	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	97.54%
32) Benzene-d6	5.07	84	353455	49.00	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	98.00%
36) 1,2-Dichloropropane-d6	6.09	67	115767	49.25	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	98.50%
41) Toluene-d8	7.33	98	319741	47.91	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	95.82%
43) trans-1,3-Dichloropropene-	7.64	79	55871	47.36	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	94.72%
47) 2-Hexanone-d5	8.11	63	81954	94.71	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	94.71%
56) 1,1,2,2-Tetrachloroethane-	10.23	84	137749	45.63	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	91.26%
66) 1,2-Dichlorobenzene-d4	11.65	152	140865	51.48	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	102.96%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.14	85	4218	1.953 ug/L	95
3) Chloromethane	1.25	50	5203	2.172 ug/L	99
5) Vinyl chloride	1.32	62	5392	2.200 ug/L #	73
6) Bromomethane	1.53	94	3190	2.048 ug/L	96
8) Chloroethane	1.60	64	3453	2.186 ug/L	100
9) Trichlorofluoromethane	1.77	101	7065	2.027 ug/L	97
10) 1,1,2-Trichloro-1,2,2-trif	2.13	101	5722	2.678 ug/L #	81
12) 1,1-Dichloroethene	2.13	96	5047	2.484 ug/L #	1
13) Acetone	2.20	43	5556	3.375 ug/L	72
14) Carbon disulfide	2.31	76	12415	2.152 ug/L	98
15) Methyl Acetate	2.46	43	4682	2.155 ug/L	98
16) Methylene chloride	2.52	84	5513	2.396 ug/L	95
17) trans-1,2-Dichloroethene	2.78	96	4214	2.049 ug/L	95
18) Methyl tert-butyl Ether	2.78	73	12448	1.947 ug/L	98
19) 1,1-Dichloroethane	3.21	63	8302	2.079 ug/L	96
20) cis-1,2-Dichloroethene	3.94	96	4658m	2.100 ug/L	
22) 2-Butanone	4.04	43	3986m	2.439 ug/L	

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.28	128	2209	1.860	ug/L	95
25) Chloroform	4.40	83	10297	2.550	ug/L	96
27) 1,2-Dichloroethane	5.16	62	6587	2.106	ug/L	98
29) Cyclohexane	4.70	56	6543	1.942	ug/L	99
30) 1,1,1-Trichloroethane	4.63	97	7216	2.026	ug/L	98
31) Carbon tetrachloride	4.85	117	6112	1.969	ug/L	99
33) Benzene	5.13	78	18516	2.135	ug/L	100
34) Trichloroethene	5.94	95	5462	2.291	ug/L	96
35) Methylcyclohexane	6.15	83	7296	2.108	ug/L	94
37) 1,2-Dichloropropane	6.20	63	4268	1.861	ug/L #	86
38) Bromodichloromethane	6.54	83	5971	1.990	ug/L	97
39) cis-1,3-Dichloropropene	7.05	75	6787	1.973	ug/L	98
40) 4-Methyl-2-pentanone	7.25	43	9917	3.644	ug/L	97
42) Toluene	7.41	91	18794	2.066	ug/L	97
44) trans-1,3-Dichloropropene	7.68	75	5997m	1.758	ug/L	
45) 1,1,2-Trichloroethane	7.86	97	4203	1.947	ug/L	94
46) Tetrachloroethene	8.00	164	3900	2.089	ug/L	95
48) 2-Hexanone	8.16	43	13896	6.026	ug/L #	92
49) Dibromochloromethane	8.27	129	4563	1.898	ug/L	94
50) 1,2-Dibromoethane	8.38	107	4354	1.937	ug/L	90
51) Chlorobenzene	8.90	112	12888	2.120	ug/L	93
52) Ethylbenzene	9.04	91	19609	1.959	ug/L	98
53) m,p-Xylene	9.16	106	6957	1.861	ug/L	97
54) o-Xylene	9.57	106	6615	1.837	ug/L	91
55) Styrene	9.59	104	10052	1.596	ug/L	99
57) 1,1,2,2-Tetrachloroethane	10.26	83	6672	2.119	ug/L #	92
59) Bromoform	9.76	173	3351	2.040	ug/L #	90
60) Isopropylbenzene	9.95	105	16794	1.854	ug/L	100
61) 1,2,3-Trichloropropane	10.30	75	5700	2.235	ug/L	96
62) 1,3,5-Trimethylbenzene	10.56	105	12895	1.759	ug/L	100
63) 1,2,4-Trimethylbenzene	10.94	105	12221	1.623	ug/L	100
64) 1,3-Dichlorobenzene	11.21	146	9287	2.017	ug/L	91
65) 1,4-Dichlorobenzene	11.30	146	10783	2.235	ug/L	97
67) 1,2-Dichlorobenzene	11.67	146	10110	2.184	ug/L	93
68) 1,2-Dibromo-3-chloropropan	12.46	75	1109	1.721	ug/L #	84
69) 1,3,5-Trichlorobenzene	12.67	180	7657	2.133	ug/L	99
70) 1,2,4-trichlorobenzene	13.29	180	6486	2.016	ug/L	98
71) Naphthalene	13.53	128	12886	1.544	ug/L	98
72) 1,2,3-Trichlorobenzene	13.77	180	6172	1.909	ug/L	99

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

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