

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW110321\
 Data File : VW023193.D
 Acq On : 03 Nov 2021 17:44
 Operator : SY/MD
 Sample : MDL07
 Misc : 5.0mL/MSVOA_V/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 MDL07

Manual Integrations
 APPROVED

Reviewed By :Mahesh
 Dadoda

11/10/2021
 Supervised By :Semsettin
 Yesilyurt

Quant Time: Nov 03 18:17:26 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM102821WMA.M
 Quant Title : VOC Analysis
 QLast Update : Sat Oct 30 00:25:16 2021
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) 1,4-Difluorobenzene	5.619	114	244706	50.000	ug/L	0.00
28) Chlorobenzene-d5	8.853	117	242235	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.249	152	126263	50.000	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.307	65	66516	39.442	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	78.880%
7) Chloroethane-d5	1.567	69	57462	43.685	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	87.360%
11) 1,1-Dichloroethene-d2	2.108	63	107307	33.590	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	67.180%
21) 2-Butanone-d5	3.883	46	137870	109.117	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	109.120%
24) Chloroform-d	4.349	84	169577	47.825	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	95.640%
26) 1,2-Dichloroethane-d4	5.034	65	111330	53.047	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	106.100%
32) Benzene-d6	5.050	84	327958	49.423	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	98.840%
36) 1,2-Dichloropropane-d6	6.069	67	105319	49.858	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	99.720%
41) Toluene-d8	7.316	98	295969	48.888	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	97.780%
43) trans-1,3-Dichloroprop...	7.622	79	50093	49.476	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	98.960%
47) 2-Hexanone-d5	8.088	63	96418	105.090	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	105.090%
56) 1,1,2,2-Tetrachloroeth...	10.217	84	153783	49.810	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	99.620%
66) 1,2-Dichlorobenzene-d4	11.625	152	129124	53.016	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	106.040%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.130	85	5300	2.278	ug/L	100
3) Chloromethane	1.240	50	4474	2.039	ug/L	100
5) Vinyl chloride	1.310	62	4996	2.279	ug/L #	78
6) Bromomethane	1.522	94	3113	2.527	ug/L	99
8) Chloroethane	1.587	64	2886	2.162	ug/L #	83
9) Trichlorofluoromethane	1.754	101	7486	2.250	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.117	101	4746	2.687	ug/L	85
12) 1,1-Dichloroethene	2.121	96	4324	2.638	ug/L #	1
13) Acetone	2.178	43	5391	4.305	ug/L #	75
14) Carbon disulfide	2.297	76	11127	2.270	ug/L	100
15) Methyl Acetate	2.442	43	4765	2.292	ug/L #	87
16) Methylene chloride	2.510	84	5360	2.553	ug/L	95
17) trans-1,2-Dichloroethene	2.767	96	4037	2.158	ug/L	95
18) Methyl tert-butyl Ether	2.770	73	12193	2.170	ug/L	98
19) 1,1-Dichloroethane	3.198	63	7881	2.261	ug/L	91
20) cis-1,2-Dichloroethene	3.918	96	4262	2.131	ug/L	94
22) 2-Butanone	4.001	43	8879m	6.220	ug/L	
23) Bromochloromethane	4.259	128	2401m	2.131	ug/L	
25) Chloroform	4.378	83	9520	2.656	ug/L	97

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.143	62	5868	2.181	ug/L	97
29) Cyclohexane	4.680	56	5590	1.977	ug/L #	93
30) 1,1,1-Trichloroethane	4.609	97	7049	2.184	ug/L	99
31) Carbon tetrachloride	4.831	117	6287	2.167	ug/L	99
33) Benzene	5.108	78	17510	2.320	ug/L	100
34) Trichloroethene	5.927	95	4454	2.259	ug/L	91
35) Methylcyclohexane	6.133	83	6521	2.122	ug/L	95
37) 1,2-Dichloropropane	6.178	63	3985	2.009	ug/L	100
38) Bromodichloromethane	6.516	83	5957	2.219	ug/L	96
39) cis-1,3-Dichloropropene	7.034	75	6434	2.139	ug/L	98
40) 4-Methyl-2-pentanone	7.233	43	10804	4.224	ug/L	98
42) Toluene	7.394	91	22103	2.737	ug/L	98
44) trans-1,3-Dichloropropene	7.654	75	8644m	2.964	ug/L	
45) 1,1,2-Trichloroethane	7.844	97	4626	2.285	ug/L	94
46) Tetrachloroethene	7.979	164	3835	2.256	ug/L	95
48) 2-Hexanone	8.149	43	10335	5.089	ug/L #	86
49) Dibromochloromethane	8.249	129	5036	2.176	ug/L	97
50) 1,2-Dibromoethane	8.355	107	4682	2.195	ug/L #	98
51) Chlorobenzene	8.886	112	11818	2.166	ug/L	97
52) Ethylbenzene	9.017	91	18074	2.103	ug/L	100
53) m,p-Xylene	9.143	106	7014	2.117	ug/L	92
54) o-Xylene	9.548	106	6369	1.975	ug/L	93
55) Styrene	9.567	104	9982	1.781	ug/L	97
57) 1,1,2,2-Tetrachloroethane	10.239	83	7613	2.357	ug/L #	96
59) Bromoform	9.734	173	3636	2.277	ug/L #	94
60) Isopropylbenzene	9.934	105	16050	1.990	ug/L	96
61) 1,2,3-Trichloropropane	10.275	75	5786	2.445	ug/L	96
62) 1,3,5-Trimethylbenzene	10.541	105	12967	1.952	ug/L	99
63) 1,2,4-Trimethylbenzene	10.918	105	12780	1.916	ug/L	99
64) 1,3-Dichlorobenzene	11.188	146	8481	2.080	ug/L	91
65) 1,4-Dichlorobenzene	11.275	146	10060	2.369	ug/L	96
67) 1,2-Dichlorobenzene	11.644	146	10768	2.611	ug/L	95
68) 1,2-Dibromo-3-chloropr...	12.432	75	1692	2.562	ug/L #	66
69) 1,3,5-Trichlorobenzene	12.647	180	6689	2.169	ug/L	98
70) 1,2,4-trichlorobenzene	13.268	180	5815	2.175	ug/L	98
71) Naphthalene	13.506	128	16173	1.884	ug/L #	90
72) 1,2,3-Trichlorobenzene	13.747	180	5754	2.036	ug/L	96

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

