

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV032620\
 Data File : VV015171.D
 Acq On : 26 Mar 2020 16:01
 Operator : SY/MD
 Sample : VSTDICV050
 Misc : 5.0mL/MSVOA V/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VICV61

Manual Integrations
 APPROVED

apatel
 3/27/2020 4:17:35 PM

Quant Time: Mar 27 03:07:40 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM032620WMA.M
 Quant Title : VOC Analysis
 QLast Update : Thu Mar 26 19:04:37 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	664423	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	652137	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.27	152	304010	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	165834	46.52	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	93.04%
7) Chloroethane-d5	1.58	69	169181	47.08	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	94.16%
11) 1,1-Dichloroethene-d2	2.12	63	387769	47.70	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	95.40%
21) 2-Butanone-d5	3.94	46	370281	104.32	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	104.32%
24) Chloroform-d	4.38	84	385801	49.38	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	98.76%
26) 1,2-Dichloroethane-d4	5.06	65	249651	48.41	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	96.82%
32) Benzene-d6	5.07	84	648739	48.36	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	96.72%
36) 1,2-Dichloropropane-d6	6.10	67	232683	48.09	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	96.18%
41) Toluene-d8	7.34	98	594704	48.92	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	97.84%
43) trans-1,3-Dichloropropene-	7.64	79	133169	50.53	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	101.06%
47) 2-Hexanone-d5	8.11	63	286873	101.39	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	101.39%
57) 1,1,2,2-Tetrachloroethane-	10.24	84	405569	49.35	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	98.70%
64) 1,2-Dichlorobenzene-d4	11.65	152	281136	49.53	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	99.06%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.14	85	276746	47.205	ug/L 99
3) Chloromethane	1.25	50	296287	46.537	ug/L 99
5) Vinyl chloride	1.32	62	306619	47.016	ug/L 99
6) Bromomethane	1.53	94	198560	47.178	ug/L 99
8) Chloroethane	1.60	64	194113	45.521	ug/L 99
9) Trichlorofluoromethane	1.77	101	477376	44.360	ug/L 100
10) 1,1,2-Trichloro-1,2,2-trif	2.13	101	254743	46.805	ug/L 99
12) 1,1-Dichloroethene	2.13	96	248879	46.444	ug/L 91
13) Acetone	2.22	43	247602m	100.863	ug/L
14) Carbon disulfide	2.31	76	647805	47.141	ug/L 99
15) Methyl Acetate	2.46	43	244727	48.155	ug/L 100
16) Methylene chloride	2.52	84	234475	46.875	ug/L 99
17) trans-1,2-Dichloroethene	2.78	96	214772	46.117	ug/L 100
18) Methyl tert-butyl Ether	2.79	73	739984	47.145	ug/L 99
19) 1,1-Dichloroethane	3.21	63	402095	46.743	ug/L 100
20) cis-1,2-Dichloroethene	3.94	96	242830	46.809	ug/L 97
22) 2-Butanone	4.02	43	367704	95.210	ug/L 98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.28	128	118166	47.083	uq/L	97
25) Chloroform	4.40	83	421448	47.556	uq/L	99
27) 1,2-Dichloroethane	5.16	62	326568	46.480	uq/L	99
29) Cyclohexane	4.70	56	377566	47.305	uq/L	99
30) 1,1,1-Trichloroethane	4.64	97	391180	47.367	uq/L	100
31) Carbon tetrachloride	4.85	117	332095	47.841	uq/L	99
33) Benzene	5.13	78	914355	47.095	uq/L	100
34) Trichloroethene	5.94	95	235766	46.616	uq/L	99
35) Methylcyclohexane	6.15	83	401663	47.790	uq/L	99
37) 1,2-Dichloropropane	6.20	63	237473	47.839	uq/L	100
38) Bromodichloromethane	6.53	83	331254	47.087	uq/L	99
39) cis-1,3-Dichloropropene	7.05	75	399209	48.113	uq/L	99
40) 4-Methyl-2-pentanone	7.25	43	720850	96.296	uq/L	99
42) Toluene	7.41	91	1026888	47.409	uq/L	100
44) trans-1,3-Dichloropropene	7.67	75	387996	47.895	uq/L	99
45) 1,1,2-Trichloroethane	7.86	97	232755	47.899	uq/L	98
46) Tetrachloroethene	8.00	164	165061	48.564	uq/L	99
48) 2-Hexanone	8.16	43	580596	98.218	uq/L	98
49) Dibromochloromethane	8.27	129	260430	48.643	uq/L	95
50) 1,2-Dibromoethane	8.37	107	256208	48.439	uq/L	99
51) Chlorobenzene	8.90	112	661061	47.781	uq/L	100
52) Ethylbenzene	9.03	91	1166975	47.820	uq/L	99
53) m,p-Xylene	9.16	106	447101	48.023	uq/L	97
54) o-xylene	9.57	106	444642	47.549	uq/L	99
55) Styrene	9.58	104	767465	48.508	uq/L	98
56) Isopropylbenzene	9.95	105	1161824	48.393	uq/L	99
58) 1,1,2,2-Tetrachloroethane	10.26	83	388530	47.435	uq/L	98
59) 1,2,3-Trichloropropane	10.30	75	316475	47.992	uq/L	100
61) Bromoform	9.75	173	172728	49.315	uq/L	99
62) 1,3-Dichlorobenzene	11.20	146	488406	47.915	uq/L	98
63) 1,4-Dichlorobenzene	11.30	146	495477	48.119	uq/L	99
65) 1,2-Dichlorobenzene	11.67	146	499346	48.318	uq/L	99
66) 1,2-Dibromo-3-chloropropan	12.45	75	110986	48.338	uq/L	96
67) 1,3,5-Trichlorobenzene	12.67	180	316376	48.506	uq/L	100
68) 1,2,4-trichlorobenzene	13.29	180	295358	47.475	uq/L	99
69) Naphthalene	13.53	128	1232238	49.460	uq/L	99
70) 1,2,3-Trichlorobenzene	13.77	180	301508	48.400	uq/L	97

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

