

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV031720\
 Data File : VV015012.D
 Acq On : 18 Mar 2020 07:13
 Operator : SY/MD
 Sample : VSTDCCC050EC
 Misc : 5.0mL/MSVOA V/WATER
 ALS Vial : 51 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05096

Manual Integrations
 APPROVED

apatel
 3/18/2020 3:02:18 PM

Quant Time: Mar 18 09:04:05 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM031620WMA.M
 Quant Title : VOC Analysis
 QLast Update : Wed Mar 18 07:43:00 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	313394	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	314375	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.27	152	171607	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	89582	42.91	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	85.82%
7) Chloroethane-d5	1.58	69	70529	45.48	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	90.96%
11) 1,1-Dichloroethene-d2	2.12	63	146545	45.75	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	91.50%
21) 2-Butanone-d5	3.93	46	105089	82.55	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	82.55%
24) Chloroform-d	4.38	84	208278	47.88	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	95.76%
26) 1,2-Dichloroethane-d4	5.06	65	132753	48.17	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	96.34%
32) Benzene-d6	5.08	84	417295	48.18	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	96.36%
36) 1,2-Dichloropropane-d6	6.10	67	119476	46.33	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	92.66%
41) Toluene-d8	7.34	98	412788	48.19	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	96.38%
43) trans-1,3-Dichloropropene-	7.64	79	62060	45.26	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	90.52%
47) 2-Hexanone-d5	8.12	63	111599	95.87	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	95.87%
57) 1,1,2,2-Tetrachloroethane-	10.24	84	180991	47.94	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	95.88%
64) 1,2-Dichlorobenzene-d4	11.65	152	182642	48.59	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	97.18%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	1.14	85	132759	45.321	ug/L	98
3) Chloromethane	1.25	50	96603	45.820	ug/L	98
5) Vinyl chloride	1.32	62	89548	43.830	ug/L	98
6) Bromomethane	1.53	94	52613	40.170	ug/L	92
8) Chloroethane	1.60	64	50105	45.070	ug/L	99
9) Trichlorofluoromethane	1.76	101	152384	47.136	ug/L	100
10) 1,1,2-Trichloro-1,2,2-trif	2.13	101	72710	45.036	ug/L	99
12) 1,1-Dichloroethene	2.13	96	70321	47.747	ug/L	90
13) Acetone	2.20	43	79284m	63.030	ug/L	
14) Carbon disulfide	2.31	76	222848	46.117	ug/L	99
15) Methyl Acetate	2.45	43	76580	47.134	ug/L	95
16) Methylene chloride	2.52	84	107737	48.350	ug/L	96
17) trans-1,2-Dichloroethene	2.78	96	101464	49.084	ug/L	98
18) Methyl tert-butyl Ether	2.79	73	325309	49.241	ug/L	99
19) 1,1-Dichloroethane	3.21	63	179164	48.211	ug/L	98
20) cis-1,2-Dichloroethene	3.94	96	115767	49.156	ug/L	93
22) 2-Butanone	4.01	43	112335	88.899	ug/L	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.28	128	62914	50.441	ug/L	95
25) Chloroform	4.41	83	205863	50.172	ug/L	98
27) 1,2-Dichloroethane	5.16	62	152278	49.247	ug/L	96
29) Cyclohexane	4.70	56	152603	46.998	ug/L	99
30) 1,1,1-Trichloroethane	4.64	97	186539	49.889	ug/L	98
31) Carbon tetrachloride	4.86	117	165926	49.776	ug/L	98
33) Benzene	5.13	78	417276	48.779	ug/L	100
34) Trichloroethene	5.94	95	110760	48.249	ug/L	97
35) Methylcyclohexane	6.16	83	165228	44.617	ug/L	98
37) 1,2-Dichloropropane	6.20	63	101258	47.239	ug/L	100
38) Bromodichloromethane	6.53	83	151451	49.841	ug/L	97
39) cis-1,3-Dichloropropene	7.05	75	165084	46.848	ug/L	97
40) 4-Methyl-2-pentanone	7.26	43	278687	96.647	ug/L	99
42) Toluene	7.41	91	479735	49.839	ug/L	100
44) trans-1,3-Dichloropropene	7.67	75	148178	47.260	ug/L	99
45) 1,1,2-Trichloroethane	7.86	97	111540	49.970	ug/L	97
46) Tetrachloroethene	8.00	164	102409	47.751	ug/L	99
48) 2-Hexanone	8.17	43	219820	95.980	ug/L	99
49) Dibromochloromethane	8.27	129	130709	52.056	ug/L	96
50) 1,2-Dibromoethane	8.37	107	121943	49.801	ug/L	99
51) Chlorobenzene	8.90	112	345637	52.143	ug/L	97
52) Ethylbenzene	9.03	91	543653	49.554	ug/L	100
53) m,p-Xylene	9.16	106	218201	51.250	ug/L	97
54) o-xylene	9.56	106	212499	50.344	ug/L	98
55) Styrene	9.58	104	361429	51.292	ug/L	98
56) Isopropylbenzene	9.95	105	562149	50.507	ug/L	99
58) 1,1,2,2-Tetrachloroethane	10.26	83	179336	48.564	ug/L	97
59) 1,2,3-Trichloropropane	10.30	75	143226	48.727	ug/L	99
61) Bromoform	9.75	173	94046	51.079	ug/L	98
62) 1,3-Dichlorobenzene	11.20	146	286899	50.733	ug/L	98
63) 1,4-Dichlorobenzene	11.29	146	296842	52.109	ug/L	98
65) 1,2-Dichlorobenzene	11.66	146	372604	65.960	ug/L	98
66) 1,2-Dibromo-3-chloropropan	12.45	75	41731	49.141	ug/L	95
67) 1,3,5-Trichlorobenzene	12.67	180	212582	47.946	ug/L	99
68) 1,2,4-trichlorobenzene	13.28	180	233711	59.139	ug/L	99
69) Naphthalene	13.52	128	265618	52.323	ug/L	100
70) 1,2,3-Trichlorobenzene	13.77	180	208421	53.278	ug/L	98

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

