

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV032420\
 Data File : VV015111.D
 Acq On : 24 Mar 2020 08:42
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA V/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05070

Manual Integrations
 APPROVED

apatel
 3/25/2020 4:52:33 PM

Quant Time: Mar 25 00:26:45 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM032320WMA.M
 Quant Title : VOC Analysis
 QLast Update : Tue Mar 24 10:01:15 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	854572	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	812170	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.27	152	405672	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	339906	43.06	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	86.12%
7) Chloroethane-d5	1.58	69	286176	42.83	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	85.66%
11) 1,1-Dichloroethene-d2	2.12	63	615768	46.73	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	93.46%
21) 2-Butanone-d5	3.93	46	421743m	82.00	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	82.00%
24) Chloroform-d	4.37	84	518512	43.45	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	86.90%
26) 1,2-Dichloroethane-d4	5.06	65	323253	42.55	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	85.10%
32) Benzene-d6	5.07	84	1063468	43.23	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	86.46%
36) 1,2-Dichloropropane-d6	6.09	67	332384	41.29	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	82.58%
41) Toluene-d8	7.33	98	1029639	45.14	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	90.28%
43) trans-1,3-Dichloropropene-	7.64	79	184131	43.31	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	86.62%
47) 2-Hexanone-d5	8.11	63	312648	77.29	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	77.29%
57) 1,1,2,2-Tetrachloroethane-	10.24	84	460457	40.79	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	81.58%
64) 1,2-Dichlorobenzene-d4	11.65	152	384778	42.48	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	84.96%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.14	85	330854	51.028	ug/L 98
3) Chloromethane	1.25	50	365607	42.594	ug/L 99
5) Vinyl chloride	1.32	62	366671	45.005	ug/L 99
6) Bromomethane	1.53	94	230024	46.164	ug/L 99
8) Chloroethane	1.60	64	234600	37.500	ug/L 98
9) Trichlorofluoromethane	1.77	101	520575	50.697	ug/L 99
10) 1,1,2-Trichloro-1,2,2-trif	2.13	101	278007	54.023	ug/L 99
12) 1,1-Dichloroethene	2.13	96	260146	46.988	ug/L 97
13) Acetone	2.22	43	333224	82.706	ug/L 97
14) Carbon disulfide	2.31	76	666409	46.854	ug/L 99
15) Methyl Acetate	2.46	43	294039	40.833	ug/L 99
16) Methylene chloride	2.52	84	280497	42.814	ug/L 100
17) trans-1,2-Dichloroethene	2.78	96	254097	46.205	ug/L 95
18) Methyl tert-butyl Ether	2.79	73	893116	42.529	ug/L 98
19) 1,1-Dichloroethane	3.21	63	496104	44.187	ug/L 100
20) cis-1,2-Dichloroethene	3.94	96	293199	45.164	ug/L 99
22) 2-Butanone	4.02	43	468310	83.325	ug/L 99

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV032420\
 Data File : VV015111.D
 Acq On : 24 Mar 2020 08:42
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA V/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05070

Manual Integrations
 APPROVED

apatel
 3/25/2020 4:52:33 PM

Quant Time: Mar 25 00:26:45 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM032320WMA.M
 Quant Title : VOC Analysis
 QLast Update : Tue Mar 24 10:01:15 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.27	128	144102	44.670	ug/L	97
25) Chloroform	4.40	83	492539	44.041	ug/L	97
27) 1,2-Dichloroethane	5.15	62	377745	42.410	ug/L	99
29) Cyclohexane	4.70	56	459735	50.854	ug/L	99
30) 1,1,1-Trichloroethane	4.63	97	438084	46.064	ug/L	97
31) Carbon tetrachloride	4.85	117	384642	47.973	ug/L	99
33) Benzene	5.12	78	1092897	44.316	ug/L	100
34) Trichloroethene	5.94	95	281635	47.405	ug/L	98
35) Methylcyclohexane	6.15	83	483885	55.191	ug/L	99
37) 1,2-Dichloropropane	6.20	63	286214	43.077	ug/L	100
38) Bromodichloromethane	6.53	83	398532	43.581	ug/L	98
39) cis-1,3-Dichloropropene	7.05	75	493804	45.470	ug/L	98
40) 4-Methyl-2-pentanone	7.25	43	890781	81.014	ug/L	100
42) Toluene	7.41	91	1224192	46.597	ug/L	99
44) trans-1,3-Dichloropropene	7.67	75	445159	44.543	ug/L	98
45) 1,1,2-Trichloroethane	7.86	97	273134	43.088	ug/L	98
46) Tetrachloroethene	7.99	164	214313	51.746	ug/L	99
48) 2-Hexanone	8.16	43	716989	84.742	ug/L	99
49) Dibromochloromethane	8.27	129	318205	43.484	ug/L	99
50) 1,2-Dibromoethane	8.37	107	294552	42.293	ug/L	98
51) Chlorobenzene	8.90	112	793154	47.057	ug/L	99
52) Ethylbenzene	9.03	91	1401315	48.905	ug/L	100
53) m,p-Xylene	9.16	106	533542	49.192	ug/L	98
54) o-xylene	9.56	106	526840	47.019	ug/L	99
55) Styrene	9.58	104	910071	46.965	ug/L	99
56) Isopropylbenzene	9.95	105	1384062	50.046	ug/L	100
58) 1,1,1,2,2-Tetrachloroethane	10.26	83	457870	42.007	ug/L	99
59) 1,2,3-Trichloropropane	10.30	75	367625	41.735	ug/L	99
61) Bromoform	9.75	173	229679	41.318	ug/L	99
62) 1,3-Dichlorobenzene	11.20	146	620528	46.013	ug/L	99
63) 1,4-Dichlorobenzene	11.29	146	616610	45.232	ug/L	99
65) 1,2-Dichlorobenzene	11.67	146	613899	43.682	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.45	75	118425	37.858	ug/L	97
67) 1,3,5-Trichlorobenzene	12.67	180	452216	48.942	ug/L	99
68) 1,2,4-trichlorobenzene	13.28	180	410385	46.765	ug/L	99
69) Naphthalene	13.53	128	718605	41.446	ug/L	99
70) 1,2,3-Trichlorobenzene	13.77	180	412032	45.577	ug/L	99

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

