

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV032520\
 Data File : VV015133.D
 Acq On : 25 Mar 2020 10:14
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA V/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05072

Quant Time: Mar 25 10:34:22 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM032520WMA.M
 Quant Title : VOC Analysis
 QLast Update : Wed Mar 25 07:41:19 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	706020	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	686506	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.27	152	334019	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	287649	48.45	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	96.90%
7) Chloroethane-d5	1.58	69	266451	44.20	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	88.40%
11) 1,1-Dichloroethene-d2	2.12	63	597689	53.65	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	107.30%
21) 2-Butanone-d5	3.93	46	371508	77.48	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	77.48%
24) Chloroform-d	4.37	84	492666	44.53	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	89.06%
26) 1,2-Dichloroethane-d4	5.06	65	315619	42.10	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	84.20%
32) Benzene-d6	5.07	84	994099	45.30	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	90.60%
36) 1,2-Dichloropropane-d6	6.09	67	309404	41.40	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	82.80%
41) Toluene-d8	7.33	98	983008	51.10	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	102.20%
43) trans-1,3-Dichloropropene-	7.64	79	173565	43.38	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	86.76%
47) 2-Hexanone-d5	8.11	63	288368	72.93	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	72.93%
57) 1,1,2,2-Tetrachloroethane-	10.24	84	440309	39.06	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	78.12%
64) 1,2-Dichlorobenzene-d4	11.65	152	372848	47.11	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	94.22%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	1.14	85	323684	84.515	ug/L	100
3) Chloromethane	1.25	50	331441	46.302	ug/L	97
5) Vinyl chloride	1.32	62	341341	55.274	ug/L	100
6) Bromomethane	1.53	94	211384	46.245	ug/L	99
8) Chloroethane	1.60	64	234601	45.174	ug/L	98
9) Trichlorofluoromethane	1.77	101	534315	73.810	ug/L	98
10) 1,1,2-Trichloro-1,2,2-trif	2.13	101	289648	81.985	ug/L	98
12) 1,1-Dichloroethene	2.13	96	265401	58.280	ug/L	91
13) Acetone	2.22	43	313345	108.586	ug/L	96
14) Carbon disulfide	2.31	76	711411	58.385	ug/L	99
15) Methyl Acetate	2.46	43	249450	38.460	ug/L	99
16) Methylene chloride	2.52	84	260837	43.882	ug/L	99
17) trans-1,2-Dichloroethene	2.78	96	242579	53.741	ug/L	99
18) Methyl tert-butyl Ether	2.79	73	810021	42.495	ug/L	99
19) 1,1-Dichloroethane	3.21	63	440379	46.869	ug/L	98
20) cis-1,2-Dichloroethene	3.94	96	263737	47.185	ug/L	99
23) Bromochloromethane	4.27	128	132815	43.118	ug/L	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
25) Chloroform	4.40	83	450932	46.362	ug/L	100
27) 1,2-Dichloroethane	5.15	62	346753	44.208	ug/L	98
29) Cyclohexane	4.70	56	424378	77.142	ug/L	100
30) 1,1,1-Trichloroethane	4.63	97	425204	55.952	ug/L	100
31) Carbon tetrachloride	4.85	117	370577	62.468	ug/L	98
33) Benzene	5.12	78	998269	48.087	ug/L	100
34) Trichloroethene	5.94	95	263873	55.353	ug/L	98
35) Methylcyclohexane	6.15	83	460498	83.944	ug/L	99
37) 1,2-Dichloropropane	6.20	63	257014	44.784	ug/L	98
38) Bromodichloromethane	6.53	83	355510	43.184	ug/L	98
39) cis-1,3-Dichloropropene	7.05	75	431178	46.693	ug/L	99
40) 4-Methyl-2-pentanone	7.25	43	749132	76.030	ug/L	99
42) Toluene	7.41	91	1133520	54.792	ug/L	100
44) trans-1,3-Dichloropropene	7.67	75	425533	46.060	ug/L	99
45) 1,1,2-Trichloroethane	7.86	97	250955	41.565	ug/L	98
46) Tetrachloroethene	7.99	164	201924	68.261	ug/L	98
48) 2-Hexanone	8.16	43	599621	82.643	ug/L	97
49) Dibromochloromethane	8.27	129	285190	42.381	ug/L	99
50) 1,2-Dibromoethane	8.37	107	271585	41.893	ug/L	100
51) Chlorobenzene	8.90	112	732737	53.681	ug/L	99
52) Ethylbenzene	9.03	91	1297624	62.331	ug/L	100
53) m,p-Xylene	9.16	106	497242	61.688	ug/L	98
54) o-xylene	9.56	106	488919	57.075	ug/L	96
55) Styrene	9.58	104	841527	55.542	ug/L	99
56) Isopropylbenzene	9.95	105	1293483	66.835	ug/L	99
58) 1,1,1,2,2-Tetrachloroethane	10.26	83	411854	41.073	ug/L	99
59) 1,2,3-Trichloropropane	10.30	75	327600	40.338	ug/L	100
61) Bromoform	9.75	173	198609	37.493	ug/L	100
62) 1,3-Dichlorobenzene	11.20	146	573567	54.937	ug/L	99
63) 1,4-Dichlorobenzene	11.29	146	571680	54.070	ug/L	99
65) 1,2-Dichlorobenzene	11.67	146	559288	48.815	ug/L	98
66) 1,2-Dibromo-3-chloropropan	12.45	75	109844	35.504	ug/L	98
67) 1,3,5-Trichlorobenzene	12.67	180	388119	59.539	ug/L	100
68) 1,2,4-trichlorobenzene	13.28	180	365185	54.864	ug/L	99
69) Naphthalene	13.52	128	1317215	42.812	ug/L	99
70) 1,2,3-Trichlorobenzene	13.77	180	364415	51.764	ug/L	97

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

