

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV110820\
 Data File : VV019299.D
 Acq On : 06 Nov 2020 16:17
 Operator : SY/MD
 Sample : VSTDCCC050EC
 Misc : 5.0mL/MSVOA V/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05090

Quant Time: Nov 07 01:26:05 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM102920WMA.M
 Quant Title : VOC Analysis
 QLast Update : Sat Nov 07 01:17:34 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	253843	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	251360	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.27	152	136372	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	85570	42.42	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	84.84%
7) Chloroethane-d5	1.58	69	73551	46.93	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	93.86%
11) 1,1-Dichloroethene-d2	2.13	63	176311	45.94	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	91.88%
21) 2-Butanone-d5	3.91	46	137858	111.58	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	111.58%
24) Chloroform-d	4.37	84	181842	48.46	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	96.92%
26) 1,2-Dichloroethane-d4	5.05	65	124631	47.66	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	95.32%
32) Benzene-d6	5.07	84	327875	45.98	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	91.96%
36) 1,2-Dichloropropane-d6	6.09	67	104665	49.23	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	98.46%
41) Toluene-d8	7.34	98	299778	43.77	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	87.54%
43) trans-1,3-Dichloropropene-	7.64	79	55814	45.37	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	90.74%
47) 2-Hexanone-d5	8.11	63	93364	101.40	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	101.40%
57) 1,1,2,2-Tetrachloroethane-	10.23	84	144171	50.29	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	100.58%
64) 1,2-Dichlorobenzene-d4	11.65	152	129443	45.18	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	90.36%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	1.14	85	94799	42.531	ug/L	98
3) Chloromethane	1.25	50	105358	52.052	ug/L	99
5) Vinyl chloride	1.32	62	105518	50.920	ug/L	98
6) Bromomethane	1.53	94	68423	49.293	ug/L	97
8) Chloroethane	1.60	64	68879	53.457	ug/L	99
9) Trichlorofluoromethane	1.77	101	161669	46.808	ug/L	99
10) 1,1,2-Trichloro-1,2,2-trif	2.13	101	78326	47.123	ug/L	98
12) 1,1-Dichloroethene	2.13	96	79984	49.135	ug/L	96
13) Acetone	2.20	43	106569	92.842	ug/L	100
14) Carbon disulfide	2.31	76	231749	44.790	ug/L	100
15) Methyl Acetate	2.45	43	95317	51.528	ug/L	98
16) Methylene chloride	2.52	84	90361	48.885	ug/L	94
17) trans-1,2-Dichloroethene	2.78	96	85117	48.683	ug/L	97
18) Methyl tert-butyl Ether	2.78	73	289278	49.412	ug/L	98
19) 1,1-Dichloroethane	3.21	63	166576	51.138	ug/L	100
20) cis-1,2-Dichloroethene	3.94	96	91545	47.708	ug/L	92
22) 2-Butanone	3.99	43	134447	107.535	ug/L	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.27	128	49987	48.546	ug/L	93
25) Chloroform	4.40	83	175890	49.969	ug/L	99
27) 1,2-Dichloroethane	5.15	62	145722	48.627	ug/L	99
29) Cyclohexane	4.70	56	124299	44.295	ug/L	97
30) 1,1,1-Trichloroethane	4.63	97	157133	46.131	ug/L	98
31) Carbon tetrachloride	4.85	117	136396	45.157	ug/L	98
33) Benzene	5.13	78	355600	49.067	ug/L	100
34) Trichloroethene	5.94	95	96085	48.396	ug/L	98
35) Methylcyclohexane	6.15	83	116145	43.333	ug/L	96
37) 1,2-Dichloropropane	6.20	63	93881	52.162	ug/L	100
38) Bromodichloromethane	6.53	83	131353	49.060	ug/L	97
39) cis-1,3-Dichloropropene	7.05	75	146090	49.142	ug/L	99
40) 4-Methyl-2-pentanone	7.24	43	262565	105.752	ug/L	99
42) Toluene	7.41	91	385054	48.466	ug/L	97
44) trans-1,3-Dichloropropene	7.67	75	151973	49.142	ug/L	99
45) 1,1,2-Trichloroethane	7.86	97	91147	50.495	ug/L	99
46) Tetrachloroethene	8.00	164	72632	42.843	ug/L	98
48) 2-Hexanone	8.16	43	209152	105.982	ug/L	97
49) Dibromochloromethane	8.27	129	105050	48.066	ug/L	99
50) 1,2-Dibromoethane	8.37	107	96034	49.866	ug/L	99
51) Chlorobenzene	8.90	112	249027	47.808	ug/L	98
52) Ethylbenzene	9.03	91	418695	47.826	ug/L	99
53) m,p-Xylene	9.16	106	155401	46.997	ug/L	99
54) o-xylene	9.56	106	153404	48.321	ug/L	99
55) Styrene	9.58	104	275572	48.975	ug/L	98
56) Isopropylbenzene	9.95	105	399368	46.810	ug/L	99
58) 1,1,1,2,2-Tetrachloroethane	10.26	83	137444	50.006	ug/L	97
59) 1,2,3-Trichloropropane	10.29	75	118490	50.360	ug/L	98
61) Bromoform	9.75	173	79091	47.016	ug/L	99
62) 1,3-Dichlorobenzene	11.20	146	202894	47.168	ug/L	99
63) 1,4-Dichlorobenzene	11.29	146	207747	46.472	ug/L	99
65) 1,2-Dichlorobenzene	11.67	146	205078	48.127	ug/L	100
66) 1,2-Dibromo-3-chloropropan	12.45	75	34034	46.678	ug/L	93
67) 1,3,5-Trichlorobenzene	12.67	180	143187	45.219	ug/L	99
68) 1,2,4-trichlorobenzene	13.28	180	135993	45.839	ug/L	99
69) Naphthalene	13.52	128	399279	48.050	ug/L	99
70) 1,2,3-Trichlorobenzene	13.76	180	140787	48.493	ug/L	98

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

