

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV062620\
 Data File : VV017180.D
 Acq On : 26 Jun 2020 14:32
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA V/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05070

Quant Time: Jun 27 00:15:37 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM060820WMA.M
 Quant Title : VOC Analysis
 QLast Update : Tue Jun 23 18:18:28 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	365829	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	353506	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.27	152	191761	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	112908	43.74	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	87.48%
7) Chloroethane-d5	1.58	69	78464	50.66	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	101.32%
11) 1,1-Dichloroethene-d2	2.12	63	223404	51.54	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	103.08%
21) 2-Butanone-d5	3.91	46	168355	88.12	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	88.12%
24) Chloroform-d	4.37	84	248049	47.26	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	94.52%
26) 1,2-Dichloroethane-d4	5.05	65	174917	48.99	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	97.98%
32) Benzene-d6	5.07	84	460587	45.20	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	90.40%
36) 1,2-Dichloropropane-d6	6.09	67	135928	42.79	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	85.58%
41) Toluene-d8	7.33	98	434298	46.44	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	92.88%
43) trans-1,3-Dichloropropene-	7.64	79	76009	45.94	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	91.88%
47) 2-Hexanone-d5	8.11	63	119635	86.39	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	86.39%
57) 1,1,2,2-Tetrachloroethane-	10.24	84	188923	44.93	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	89.86%
64) 1,2-Dichlorobenzene-d4	11.65	152	181443	44.34	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	88.68%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	1.14	85	190438	65.660	ug/L	100
3) Chloromethane	1.25	50	138523	52.226	ug/L	97
5) Vinyl chloride	1.32	62	132088	50.642	ug/L	98
6) Bromomethane	1.53	94	70415	64.820	ug/L	97
8) Chloroethane	1.60	64	61175	47.481	ug/L	97
9) Trichlorofluoromethane	1.76	101	209185	53.593	ug/L	99
10) 1,1,2-Trichloro-1,2,2-trif	2.13	101	107660	55.352	ug/L	99
12) 1,1-Dichloroethene	2.13	96	97238	53.554	ug/L	92
13) Acetone	2.19	43	143208	113.763	ug/L	97
14) Carbon disulfide	2.31	76	329795	50.167	ug/L	99
15) Methyl Acetate	2.44	43	120024	42.778	ug/L	99
16) Methylene chloride	2.52	84	121144	45.468	ug/L	96
17) trans-1,2-Dichloroethene	2.78	96	117335	47.396	ug/L	95
18) Methyl tert-butyl Ether	2.78	73	374754	45.685	ug/L	99
19) 1,1-Dichloroethane	3.21	63	209922	45.048	ug/L	98
20) cis-1,2-Dichloroethene	3.94	96	123533	45.771	ug/L	96
22) 2-Butanone	3.99	43	181334	93.413	ug/L	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.27	128	67223	47.282	ug/L	91
25) Chloroform	4.40	83	227882	47.584	ug/L	100
27) 1,2-Dichloroethane	5.15	62	194990	48.570	ug/L	96
29) Cyclohexane	4.70	56	194369	44.246	ug/L	98
30) 1,1,1-Trichloroethane	4.63	97	216336	47.987	ug/L	99
31) Carbon tetrachloride	4.85	117	196659	50.425	ug/L	98
33) Benzene	5.12	78	462557	44.225	ug/L	100
34) Trichloroethene	5.94	95	126763	45.190	ug/L	99
35) Methylcyclohexane	6.15	83	205766	46.758	ug/L	98
37) 1,2-Dichloropropane	6.19	63	115625	42.509	ug/L	98
38) Bromodichloromethane	6.53	83	167335	46.214	ug/L	98
39) cis-1,3-Dichloropropene	7.05	75	196810	46.581	ug/L	99
40) 4-Methyl-2-pentanone	7.24	43	331357	85.971	ug/L	99
42) Toluene	7.41	91	507315	46.011	ug/L	98
44) trans-1,3-Dichloropropene	7.67	75	192580	46.884	ug/L	100
45) 1,1,2-Trichloroethane	7.86	97	116746	44.488	ug/L	99
46) Tetrachloroethene	8.00	164	107960	48.935	ug/L	96
48) 2-Hexanone	8.16	43	267085	89.371	ug/L	99
49) Dibromochloromethane	8.27	129	138387	49.321	ug/L	100
50) 1,2-Dibromoethane	8.37	107	127533	46.409	ug/L	96
51) Chlorobenzene	8.90	112	328684	45.691	ug/L	99
52) Ethylbenzene	9.03	91	569827	46.658	ug/L	99
53) m,p-Xylene	9.16	106	219208	48.207	ug/L	100
54) o-xylene	9.56	106	210987	47.046	ug/L	98
55) Styrene	9.58	104	370058	48.806	ug/L	99
56) Isopropylbenzene	9.95	105	578913	48.042	ug/L	99
58) 1,1,1,2,2-Tetrachloroethane	10.26	83	179573	44.631	ug/L	94
59) 1,2,3-Trichloropropane	10.29	75	149013	44.155	ug/L	98
61) Bromoform	9.75	173	100767	51.088	ug/L	99
62) 1,3-Dichlorobenzene	11.20	146	276644	45.548	ug/L	99
63) 1,4-Dichlorobenzene	11.29	146	278380	45.047	ug/L	98
65) 1,2-Dichlorobenzene	11.67	146	276857	45.485	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.45	75	44239	46.223	ug/L	96
67) 1,3,5-Trichlorobenzene	12.67	180	211890	46.784	ug/L	99
68) 1,2,4-trichlorobenzene	13.28	180	187677	45.177	ug/L	99
69) Naphthalene	13.52	128	568327	47.560	ug/L	100
70) 1,2,3-Trichlorobenzene	13.77	180	193007	47.483	ug/L	99

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

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