

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV110420\
 Data File : VV019237.D
 Acq On : 03 Nov 2020 15:59
 Operator : SY/MD
 Sample : VSTDCCC050EC
 Misc : 5.0mL/MSVOA V/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD050312

Quant Time: Nov 04 07:15:12 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SFAMVLM110320WMA.M
 Quant Title : VOC Analysis
 QLast Update : Wed Nov 04 07:03:57 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	246416	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	240577	50.00	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.27	152	131245	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	85223	44.81	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	89.62%
7) Chloroethane-d5	1.58	69	71741	48.14	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	96.28%
11) 1,1-Dichloroethene-d2	2.12	63	169855	48.24	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	96.48%
21) 2-Butanone-d5	3.91	46	113915	108.64	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	108.64%
24) Chloroform-d	4.38	84	172325	48.42	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	96.84%
26) 1,2-Dichloroethane-d4	5.06	65	118488	47.78	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	95.56%
32) Benzene-d6	5.07	84	309912	46.65	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	93.30%
36) 1,2-Dichloropropane-d6	6.09	67	93585	47.18	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	94.36%
41) Toluene-d8	7.34	98	298467	48.23	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	96.46%
43) trans-1,3-Dichloropropene-	7.64	79	55315	49.26	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	98.52%
47) 2-Hexanone-d5	8.11	63	80899	105.07	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	105.07%
56) 1,1,2,2-Tetrachloroethane-	10.23	84	126615	47.91	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	95.82%
66) 1,2-Dichlorobenzene-d4	11.65	152	124298	47.34	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	94.68%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	1.14	85	74396	49.281	ug/L	99
3) Chloromethane	1.25	50	77604	49.368	ug/L	99
5) Vinyl chloride	1.32	62	84361	51.557	ug/L	99
6) Bromomethane	1.53	94	57748	52.514	ug/L	98
8) Chloroethane	1.60	64	56237	52.551	ug/L	98
9) Trichlorofluoromethane	1.77	101	139848	51.627	ug/L	99
10) 1,1,2-Trichloro-1,2,2-trif	2.13	101	68884	53.519	ug/L	99
12) 1,1-Dichloroethene	2.13	96	67774	50.948	ug/L	91
13) Acetone	2.19	43	82768	103.794	ug/L	99
14) Carbon disulfide	2.31	76	189430	49.591	ug/L	100
15) Methyl Acetate	2.45	43	81135	52.511	ug/L	99
16) Methylene chloride	2.52	84	79639	50.361	ug/L	99
17) trans-1,2-Dichloroethene	2.78	96	71582	49.602	ug/L	97
18) Methyl tert-butyl Ether	2.78	73	262155	51.679	ug/L	99
19) 1,1-Dichloroethane	3.21	63	143758	50.842	ug/L	98
20) cis-1,2-Dichloroethene	3.94	96	82181	51.530	ug/L	98
22) 2-Butanone	3.99	43	109922	108.594	ug/L	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.28	128	44407	50.571	ug/L	97
25) Chloroform	4.40	83	151717	50.048	ug/L	98
27) 1,2-Dichloroethane	5.15	62	129283	50.171	ug/L	99
29) Cyclohexane	4.70	56	110499	53.672	ug/L	99
30) 1,1,1-Trichloroethane	4.63	97	137780	49.381	ug/L	99
31) Carbon tetrachloride	4.86	117	119915	49.775	ug/L	100
33) Benzene	5.13	78	299993	50.176	ug/L	100
34) Trichloroethene	5.94	95	80536	49.567	ug/L	99
35) Methylcyclohexane	6.15	83	102578	52.160	ug/L	99
37) 1,2-Dichloropropane	6.20	63	77338	48.469	ug/L	100
38) Bromodichloromethane	6.53	83	114833	50.007	ug/L	99
39) cis-1,3-Dichloropropene	7.05	75	130338	51.050	ug/L	99
40) 4-Methyl-2-pentanone	7.24	43	227716	106.233	ug/L	99
42) Toluene	7.41	91	332135	51.394	ug/L	99
44) trans-1,3-Dichloropropene	7.67	75	137732	52.644	ug/L	100
45) 1,1,2-Trichloroethane	7.86	97	79176	50.203	ug/L	97
46) Tetrachloroethene	8.00	164	65352	49.295	ug/L	98
48) 2-Hexanone	8.16	43	170412	105.154	ug/L	98
49) Dibromochloromethane	8.27	129	94602	50.297	ug/L	98
50) 1,2-Dibromoethane	8.37	107	81910	50.106	ug/L	97
51) Chlorobenzene	8.90	112	214855	49.702	ug/L	99
52) Ethylbenzene	9.03	91	362404	50.828	ug/L	100
53) m,p-Xylene	9.16	106	136262	51.047	ug/L	99
54) o-Xylene	9.56	106	134162	50.990	ug/L	98
55) Styrene	9.58	104	239308	51.096	ug/L	97
57) 1,1,2,2-Tetrachloroethane	10.26	83	119556	50.108	ug/L	99
59) Bromoform	9.75	173	72463	49.747	ug/L	100
60) Isopropylbenzene	9.95	105	356821	51.874	ug/L	100
61) 1,2,3-Trichloropropane	10.29	75	101150	49.608	ug/L	99
62) 1,3,5-Trimethylbenzene	10.56	105	305321	53.293	ug/L	100
63) 1,2,4-Trimethylbenzene	10.94	105	292518	52.180	ug/L	100
64) 1,3-Dichlorobenzene	11.20	146	178926	49.729	ug/L	99
65) 1,4-Dichlorobenzene	11.29	146	183588	49.319	ug/L	99
67) 1,2-Dichlorobenzene	11.67	146	181175	49.219	ug/L	98
68) 1,2-Dibromo-3-chloropropan	12.45	75	30176	50.729	ug/L	96
69) 1,3,5-Trichlorobenzene	12.67	180	129244	50.047	ug/L	98
70) 1,2,4-trichlorobenzene	13.28	180	122321	50.339	ug/L	99
71) Naphthalene	13.52	128	370819	54.109	ug/L	99
72) 1,2,3-Trichlorobenzene	13.76	180	125557	52.124	ug/L	99

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

