

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV021820\
 Data File : VV014604.D
 Acq On : 18 Feb 2020 12:01
 Operator : SY/MD
 Sample : VSTDCCC050EC
 Misc : 5.0mL/MSVOA V/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05069

Quant Time: Feb 19 01:21:03 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM021220WMA.M
 Quant Title : VOC Analysis
 QLast Update : Wed Feb 19 01:18:31 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	262165	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	245575	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.29	152	121620	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	38766	38.50	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	77.00%
7) Chloroethane-d5	1.58	69	31067	43.88	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	87.76%
11) 1,1-Dichloroethene-d2	2.13	63	75578	44.99	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	89.98%
21) 2-Butanone-d5	3.92	46	100440	120.30	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	120.30%
24) Chloroform-d	4.40	84	153718	52.35	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	104.70%
26) 1,2-Dichloroethane-d4	5.08	65	98426	54.04	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	108.08%
32) Benzene-d6	5.10	84	290919	49.54	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	99.08%
36) 1,2-Dichloropropane-d6	6.11	67	90323	51.06	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	102.12%
41) Toluene-d8	7.36	98	275493	48.76	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	97.52%
43) trans-1,3-Dichloropropene-	7.66	79	50764	52.04	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	104.08%
47) 2-Hexanone-d5	8.13	63	79771	112.86	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	112.86%
57) 1,1,2,2-Tetrachloroethane-	10.25	84	134667	56.09	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	112.18%
64) 1,2-Dichlorobenzene-d4	11.67	152	110507	51.43	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	102.86%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	1.14	85	84116	45.212	ug/L	99
3) Chloromethane	1.26	50	73678	44.583	ug/L	97
5) Vinyl chloride	1.33	62	51828	44.127	ug/L	96
6) Bromomethane	1.53	94	29174	51.048	ug/L	98
8) Chloroethane	1.60	64	27695	46.949	ug/L	98
9) Trichlorofluoromethane	1.77	101	97432	48.020	ug/L	100
10) 1,1,2-Trichloro-1,2,2-trif	2.14	101	41538	48.024	ug/L	99
12) 1,1-Dichloroethene	2.14	96	37797	47.009	ug/L	94
13) Acetone	2.19	43	62556	87.336	ug/L	96
14) Carbon disulfide	2.32	76	175513	44.594	ug/L	100
15) Methyl Acetate	2.46	43	76268	55.556	ug/L	99
16) Methylene chloride	2.54	84	89771	53.416	ug/L	95
17) trans-1,2-Dichloroethene	2.79	96	78637	49.580	ug/L	96
18) Methyl tert-butyl Ether	2.80	73	285045	56.044	ug/L	100
19) 1,1-Dichloroethane	3.23	63	144654	52.013	ug/L	99
20) cis-1,2-Dichloroethene	3.96	96	96046	52.379	ug/L	96
22) 2-Butanone	4.01	43	113904	106.062	ug/L	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.30	128	48166	54.232	ug/L	97
25) Chloroform	4.42	83	163498	53.134	ug/L	99
27) 1,2-Dichloroethane	5.18	62	127343	56.131	ug/L	98
29) Cyclohexane	4.73	56	111953	45.539	ug/L	99
30) 1,1,1-Trichloroethane	4.66	97	136372	51.047	ug/L	99
31) Carbon tetrachloride	4.87	117	119088	49.367	ug/L	98
33) Benzene	5.15	78	329989	51.180	ug/L	100
34) Trichloroethene	5.96	95	86646	49.799	ug/L	99
35) Methylcyclohexane	6.17	83	127927	46.960	ug/L	99
37) 1,2-Dichloropropane	6.22	63	85105	53.455	ug/L	99
38) Bromodichloromethane	6.55	83	128096	54.870	ug/L	97
39) cis-1,3-Dichloropropene	7.07	75	150280	53.469	ug/L	99
40) 4-Methyl-2-pentanone	7.26	43	218475	111.092	ug/L	100
42) Toluene	7.43	91	359951	51.195	ug/L	100
44) trans-1,3-Dichloropropene	7.69	75	135827	53.511	ug/L	99
45) 1,1,2-Trichloroethane	7.88	97	90046	54.754	ug/L	98
46) Tetrachloroethene	8.02	164	66601	48.678	ug/L	100
48) 2-Hexanone	8.18	43	163437	106.595	ug/L	99
49) Dibromochloromethane	8.29	129	108362	55.286	ug/L	98
50) 1,2-Dibromoethane	8.39	107	99067	55.673	ug/L	99
51) Chlorobenzene	8.92	112	239249	50.898	ug/L	99
52) Ethylbenzene	9.05	91	398567	49.974	ug/L	99
53) m,p-Xylene	9.18	106	154349	49.570	ug/L	98
54) o-xylene	9.58	106	152124	51.114	ug/L	100
55) Styrene	9.60	104	265444	51.906	ug/L	100
56) Isopropylbenzene	9.97	105	394112	49.784	ug/L	100
58) 1,1,1,2,2-Tetrachloroethane	10.28	83	145274	55.915	ug/L	98
59) 1,2,3-Trichloropropane	10.31	75	113507	55.400	ug/L	100
61) Bromoform	9.77	173	75313	57.215	ug/L	100
62) 1,3-Dichlorobenzene	11.22	146	188751	51.317	ug/L	98
63) 1,4-Dichlorobenzene	11.31	146	192462	51.337	ug/L	100
65) 1,2-Dichlorobenzene	11.68	146	189685	52.500	ug/L	98
66) 1,2-Dibromo-3-chloropropan	12.47	75	32856	55.823	ug/L	97
67) 1,3,5-Trichlorobenzene	12.69	180	131592	49.749	ug/L	99
68) 1,2,4-trichlorobenzene	13.30	180	122939	50.190	ug/L	99
69) Naphthalene	13.54	128	412863	53.155	ug/L	100
70) 1,2,3-Trichlorobenzene	13.79	180	121969	51.652	ug/L	98

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

