

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV111020\
 Data File : VV019329.D
 Acq On : 10 Nov 2020 17:29
 Operator : SY/MD
 Sample : VSTDCCC050EC
 Misc : 5.0mL/MSVOA V/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05092

Quant Time: Nov 11 02:18:08 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM102920WMA.M
 Quant Title : VOC Analysis
 QLast Update : Wed Nov 11 02:14:49 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	252349	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	248077	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.27	152	137962	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	112186	55.94	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	111.88%
7) Chloroethane-d5	1.58	69	88699	56.93	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	113.86%
11) 1,1-Dichloroethene-d2	2.12	63	206421	54.11	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	108.22%
21) 2-Butanone-d5	3.91	46	131895	107.38	ug/L	0.01
Spiked Amount	100.000	Range	40 - 130	Recovery	=	107.38%
24) Chloroform-d	4.38	84	185815	49.81	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	99.62%
26) 1,2-Dichloroethane-d4	5.06	65	125503	48.28	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	96.56%
32) Benzene-d6	5.07	84	350938	49.87	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	99.74%
36) 1,2-Dichloropropane-d6	6.09	67	110736	52.77	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	105.54%
41) Toluene-d8	7.34	98	321152	47.51	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	95.02%
43) trans-1,3-Dichloropropene-	7.64	79	57211	47.12	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	94.24%
47) 2-Hexanone-d5	8.11	63	89276	98.25	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	98.25%
57) 1,1,2,2-Tetrachloroethane-	10.23	84	142984	50.54	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	101.08%
64) 1,2-Dichlorobenzene-d4	11.65	152	127834	44.10	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	88.20%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	1.14	85	95467	43.085	ug/L	98
3) Chloromethane	1.25	50	110091	54.712	ug/L	98
5) Vinyl chloride	1.32	62	110131	53.460	ug/L	99
6) Bromomethane	1.53	94	71086	51.515	ug/L	98
8) Chloroethane	1.60	64	71629	55.920	ug/L	98
9) Trichlorofluoromethane	1.77	101	165662	48.249	ug/L	100
10) 1,1,2-Trichloro-1,2,2-trif	2.13	101	86035	52.068	ug/L	96
12) 1,1-Dichloroethene	2.13	96	82793	51.162	ug/L	91
13) Acetone	2.20	43	114918	100.709	ug/L	98
14) Carbon disulfide	2.31	76	228710	44.464	ug/L	99
15) Methyl Acetate	2.45	43	102241	55.598	ug/L	97
16) Methylene chloride	2.52	84	94424	51.386	ug/L	93
17) trans-1,2-Dichloroethene	2.78	96	83957	48.304	ug/L	97
18) Methyl tert-butyl Ether	2.78	73	284609	48.902	ug/L	98
19) 1,1-Dichloroethane	3.21	63	171182	52.863	ug/L	99
20) cis-1,2-Dichloroethene	3.94	96	92264	48.368	ug/L	93
22) 2-Butanone	4.00	43	145827	117.328	ug/L	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.28	128	48393	47.276	ug/L	89
25) Chloroform	4.40	83	176333	50.391	ug/L	99
27) 1,2-Dichloroethane	5.15	62	148670	49.905	ug/L	99
29) Cyclohexane	4.70	56	131972	47.652	ug/L	95
30) 1,1,1-Trichloroethane	4.63	97	156567	46.573	ug/L	98
31) Carbon tetrachloride	4.86	117	135049	45.303	ug/L	99
33) Benzene	5.13	78	362067	50.620	ug/L	100
34) Trichloroethene	5.94	95	95543	48.760	ug/L	97
35) Methylcyclohexane	6.15	83	122346	46.251	ug/L	96
37) 1,2-Dichloropropane	6.20	63	97634	54.965	ug/L	100
38) Bromodichloromethane	6.53	83	132907	50.298	ug/L	98
39) cis-1,3-Dichloropropene	7.05	75	152056	51.826	ug/L	98
40) 4-Methyl-2-pentanone	7.24	43	285209	116.392	ug/L	97
42) Toluene	7.41	91	389585	49.685	ug/L	99
44) trans-1,3-Dichloropropene	7.67	75	154116	50.495	ug/L	99
45) 1,1,2-Trichloroethane	7.86	97	91758	51.506	ug/L	98
46) Tetrachloroethene	8.00	164	73056	43.663	ug/L	99
48) 2-Hexanone	8.16	43	226082	116.077	ug/L	96
49) Dibromochloromethane	8.27	129	103244	47.865	ug/L	99
50) 1,2-Dibromoethane	8.37	107	95042	50.004	ug/L	99
51) Chlorobenzene	8.90	112	246862	48.020	ug/L	97
52) Ethylbenzene	9.03	91	418139	48.395	ug/L	98
53) m,p-Xylene	9.16	106	157667	48.314	ug/L	98
54) o-xylene	9.56	106	152597	48.703	ug/L	99
55) Styrene	9.58	104	280716	50.550	ug/L	99
56) Isopropylbenzene	9.95	105	406485	48.275	ug/L	99
58) 1,1,1,2,2-Tetrachloroethane	10.26	83	140926	51.951	ug/L	98
59) 1,2,3-Trichloropropane	10.29	75	121499	52.323	ug/L	100
61) Bromoform	9.75	173	77316	45.431	ug/L	98
62) 1,3-Dichlorobenzene	11.20	146	202275	46.482	ug/L	99
63) 1,4-Dichlorobenzene	11.29	146	207433	45.867	ug/L	96
65) 1,2-Dichlorobenzene	11.66	146	204662	47.475	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.45	75	33949	46.025	ug/L	92
67) 1,3,5-Trichlorobenzene	12.67	180	140742	43.935	ug/L	99
68) 1,2,4-trichlorobenzene	13.28	180	128328	42.757	ug/L	98
69) Naphthalene	13.52	128	384169	45.699	ug/L	99
70) 1,2,3-Trichlorobenzene	13.77	180	133160	45.337	ug/L	99

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

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